STRUCTURE UPLOADED

-> d 11 11 MAS NO ANSWERS 11 STR / Structure 1 in file gra /

Structure attributes must be viewed using STN Express query preparation.

-> x 11 fem mem SAMPLE SEARCH INITIATED 11:11:32 FILE 'REGISTRY' SAMPLE SCHEEN SEARCH COMPLETED - 979 TO ITERATE

100 0% PROCESSED 979 ITERATIONS SEARCH TIME: 00:00:01

FULL FILE PROJECTIONS: OBLINE **COMPLETE**
PROJECTED ITERATIONS: 17703 TO 21457
PROJECTED ARREST: 0 TO 0

12 0 SEA FAM SAM 11 -> s 11 sss sam SAMPLE SEARCH INITIATED 11:11:48 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 34515 TO ITERATE

5,84 PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00,00,01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
PROJECTED ITERATIONS: 679189 TO TO1611
PROJECTED ANNERS: 9312 TO 12086

31 SEA SSS SAM LI

L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor Benzoc acid, 2-methoxy-, 6,9,10-temethoxy-6-oxo-6H-debenzo(b,djpyran-3- yl ester Benz Hit Structure

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author Inventor Acetic codd, 2.2*(5.16-dhydro-2.7-dmshosy-5.16-dioxof/percopyrane/5.4.3-ddej/percopyran-3.8-diyl(bio(ovy))bis. diehyl ester (SCI)

31 ANDWORD

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

, L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor INDEX NAME NOT YET ASSIGNED HIT Structure

"*FROPERTY DATA AVAILABLE IN THE "PROP" FORMAT""

L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACG on STN
Author/Inventor
Afthrainsufforamide, N{1-(dfluoromethoxy)-6-(3-fluorophiny/6-2-methyl-6H-dbinazi(b,djpyran-8-y)HS Structure

PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT

L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
Author Inventor
6H-Gerzolgiczphinię (1,2-kjpyran-6-one, 8 + flight-methoxy-4-ljehanlyde-0-fjimethoxymethylj-4-oxo-2-kranylj-, (2R-ois)- (9Cl) Hit Structure

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

, L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor INDEX NAME NOT YET ASSIGNED His Structure

1.3.1 NORTHO SOSITIFY COPYRIGHT NOW ACG in STN
ADDITIONATE
S&March 1994 (Filt Std. CSG Std. 1461-5C) (1 develop-2-paper-); (6-ething-24.5.6.6.2 htt. athyte-8-bydesy-3.1.10,113-pertamethy-7.17 data-1.5-ething-11.17-(5)-pertameny-1.27-(5)-pertameny-1.27-(6)-pert

""PROPERTY DATA AVAILABLE IN THE "PROP' FORMAT""

L3 31 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor Acetamide, N-cyclohexyl-N-(7-enethyl-6-oxo-6H-dibenzolp.djpyran-9-yl)-



""FROPERTY DATA AVAILABLE IN THE "PROP" FORMAT""

.L3 31 ANSWERS. REGISTRY COPYRIGHT 2009 ACS on STN
Author/Invector
Hi-(1)Benzopyrano[3,4-figuroline; 7,9-diffuore-2,5-dihydro-5-(5-methoxy-2-furanyi)-2,2,4-dimethyi-Hit Structure

PROPERTY DATA AVAILABLE IN THE "PROP' FORMAT

L3 31 AVG/MERS REGISTRY COPYRIGHT 2009 ACS on STN
Author/Investor
24, 16H-Diserzo(z,/gyrano)(z,9-g(1)serzopyran-10-one, z-(4-melhoxypheny6-2-(4-(4-morpholeny6)pheny6-(9C6)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 31 M/SWERS REGISTRY COPYRIGHT 2009 ACS on STN
AuthorInventor
6H(2)Benzopyrano(4,3-4)benzoturan-5-one, 9-pheny(-1-0-4-12-(1-pyrrolidiny/tiethoxy/pheny()-Hti Structure

""PROPERTY DATA EVALUABLE IN THE "BROD, KORMEL".

INDEX NAME NOT YET ASSIGNED HIS Structure

PROPERTY DATA AVAILABLE IN THE *PROP* FORMAT

1.3 3. HISWERS REGISTRY COPYRIGHT 2009 ACS on STN
 Author Invested.
 1.0 scipmoline. 1,2,3,4-tertahytic-6,7-dimethosy-c-[2,4-methosy-6+-dibenze|[b,4]pyran-1-y[jethylj-, hydrochloride (1.1) His Shuckne



HC1

-> s 11 fem full FULL SEARCH INITIATED 11:12:33 FILE "REGISTRY" FULL SCREEN SEARCH COMPLETED - 19505 TO ITERATE

100.0% PROCESSED 19505 ITERATIONS SEARCH TIME: 00|00|01

5 SEA FAM FUL L1

=> 8 14 15 59 14

=> d scan

L5 59 ANSWERS CAPLUS COPYRIGHT 2009 ACS on STN Title

Catalytic Direct Arylation with Aryl Chlorides, Bromides, and loakies: Intramolecular Studies Leading to New Informolecular Reactions

5 ANSWERS

_L5 59 ANSWERS CAPLUS COPYRIGHT 2009 ACS on STN Trile

Simple and Efficient TiCl4-Mediated Synthesis of Biaryls via Arylmagnesium Compounds

_L5 59 ANSWERS CAPLUS COPYRIGHT 2009 ACS on STN Title

Photocyclization of a phenoxybenzyl alcohols in equeous solution. A simple synthesis of 6H-dibenzo(b,d)pyrans

```
-o d ibib abs bitstr 1-
YOU HAVE REQUESTED DATA PROM 59 AMERICS - CONTINUE? T/(H):y
      L5 ANSWER 1 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
  Accession Number
2008 1406129 CAPLUS <u>Full-lect</u>
                           Analysis of chemical constituents of the volatile oil from Artemisia argyr by GC/MS
  Author Investor
Authorisements XX XVIII-III, Song, Hai, Hen, Yuqi, Yang, Werking, Zhao, Li
Patern Kangne Corporate Source
Key Laboratery of Resources and Environment, Chemistry of West China, Department of Chemistry, Hox University, Zhangye, Gansu Province, 734000, Peop. Rep. China.
                           Shizhen Guoyi Guoyao (2007), 18(11), 2657-2658 CODEN SGGHAL, ISSN: 1008-0805
  Document Type
Language
Chinese
Orders

The distinct contributes of the visible of from Ahmens angle and it for the visible of the contribute of the visible o
```

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



L5 ANSWER 2 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2008:1383595 CAPLUS <u>Full-text</u> Document Number 149:555101

Title Allytic and benzylic carbanions substituted by heteroals

Allytic and benzyro cardenas...

Author/inventor

Bellmann, Jean-Francois, Ducep, Jean-Bernard

Patent Assignes Corporate Source

Strasbourg, Fr.

Source Organic Reactions (Hoboken, NJ, United States) (1982), 27, No pp. given CODEN: ORIPHIBA URL: <a href="https://www.Bustes.coi.org/com/cog_bin/menhome/107410747/HOMEDocument/ppe-bin/menhome/107410747/HOMEDocument/ppe-bin/menhome/107410747/HOMEDocument/ppe-bin/menhome/107410747/HOMEDocument/ppe-bin/menhome/107410747/HOMEDocument/ppe-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10741074/HOMEDocument/pp-bin/menhome/10

Larguage English Abstract

A review of the criticle Allytic and benzylic carbanions substituted by heterostoms. Hit Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dimenso(b,d)pyran (CA INDEX NAME)



L5 ANSWER 3 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2008:1989566 CAPLUS Existed

Document Number

149 555080

The intramolecular Heck reaction

Author Inventor Link, J. T.

Patent Assignee Corporate Source
Abbott Laboratories, Abbott Park, IL, USA

Organic Reactions (Hoboken, NJ, United States) (2002), 60, No pp. given CODEN ORHNBA URL: http://www.s.interscence.uvey.com/og-bin/mrwhome/107610747/HOME

Document Type
Journal: General Review; (online computer tile)

Language English

A review of the article The intramol. Heck reaction Hit Structure

Chemical or Trade Name 6H-Dibenso(b,d)pyran (Ch INDEX NAME)



LS ANSWER 4 OF SE CAPLUS COPYRIGHT 2009 ACS on STN ACCORDS INSECTION SECTION ACCORDS CORP. SECTION ACCORDS TO ACCORD TO ACCORD

To the United Particles of Electropis Resident Albedray 3 to Ohydrophemisthere and 16 Antiques Antique

Abotation:
A new invalvable for the grathesis of 9,10 chydrophenorthrene and fis analogs, e.g., I, has been developed via a palladium-associated in-section of debydropy any (for original promoting on optimization) to model by demonstration.

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6N-Dibenzo(b,d)pyran (CA INDEX NAME)



L5 ANSWER 5 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2008 633593 CAPLUS FL6-3eye Document Number

149.200705

Mild and efficient palladium-catalyzed inframolecular direct arytation reactions

Author/Inventor Latrance, Marc; Lapointe, David; Fagnou, Kerth

Patent Acaignes/Corporate Source
Center for Catalysis Research and Innovation, Department of Chemistry, University of Ottawa, Ottawa, ON, K1N 6NS, Can Source

Tetrahedron (2008), 64(26), 6015-6020 CODEN TETRAB ISSN: 0040-4020

Language English

Abords:
The Filtures of Igand, disciplements box, and abbins has been evaluated in the credent of entanced direct any fallow necessaries. When the spiral conditions, any fallow is surject as removed and the product of the product of the product of abords or incredent of the product of the product of abords or incredent of product or product or product or product or behavior, as of the product or behavior as or incredent or product or product or product or behavior as or incredent or product or product

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



, L5 ANSWER 6 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2008;190867 CAPLUS Full-laxt

Document Number 148:230620

Use of glucocorticoid receptor antagonists as immunostimulants for treatment of infectious conditions

Author/Inventor
Peeters, B. w. m. m. Bernardus
Patent Assignee/Corporate Source
N.V. Organon, Neth...

N.V. Olganon, New Source PCT Int Appl , 11pp CODEN PDXD2 Document Type Patent

Language English Patent Informati

	PATENT NO	KIND	DATE	APPLICATION NO	DATE
	WO 2006017658	A2	20050214	WO 2007-EP58134	20070606
	WO 2006017658	A3	20050410		
	AU 2007283604	A1	20000214	AU 2007-253604	20070606
	EP 2051705	A2	20090429	EP 2007-788248	20070606
	KR 2009039775	A	20090422	KR 2009-702968	20090213
Abstract		-			

The meaning provides the use of appropriation described inspects and inspects and inspects and inspects and inspects and inspects are provided in the second of the second

Hill Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6N-Dibenzo(b,d)pyran (CA INDEX NAME)

L5 ANSWER 7 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2007 1300705 CAPLUS <u>Full test</u> Document Number

147.515077

The use of a glucocorticoid receptor II antagonist to treat depression in patients taking interleukin-2

Author/Inventor Balanott, Joseph K Patent Assignes/Corporate Source Corcept Therapeutics, Inc., USA

Source PCT Int Appl 39pp CODEN PIXXD2

Document Type Patent

Language English

Pater

nt I	rformation				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	WO 2007131041	A2	20071115	WO 2007-US68044	20070502
	WO 2007131041	A3	20081009		
	AU 2007248059	A1	20071115	AU 2007-248059	20070502
	CA 2649894	At	20071115	CA 2007-2649894	20070502
	EP 2012796	A2	20090114	EP 2007-783115	20070502

Abstract
The invention pertains to the discovery that type II glucocorticoid receptor antiagonists can be used in methods for reversing or inhibiting the symptoms of depression in patients receiving interleukin-2 treatment Hit Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibensolb, diswarm (CA INDEX NAME)



L5 ANSWER 6 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2005 71452 CAPLUS Full-text Document Number

144 274064

Catalytic Direct Arylation with Aryl Chlorides, Bromides, and loadcles: Intramolecular Studies Leading to New Intermolecular Reactions

Author/Inventor

Author/investor, Duis-Charles, Parisien, Mathieu, Jean, Annie, Fagnou, Keith
Patent, Assignee Corporate, Source
Centre for Catalysis Research and Innovation, Department of Chemistry, University of Ottawa, Ottawa, K1N 6PS, Cen.

Source Journal of the American Chemical Society (2006), 128(2), 551-590 CODEN JACSAT; ISSN: 0002-7863 Document Type

Asserted.

Asserted and the properties of the restrict distant of printing of the printing data and printing of the printing data and printing data. The printing data and pri

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



L5 ANSWER 9 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2006:58265 CAPLUS Full-lext

Document Number

144292195

Salvolysis and ring closure of quinone methides photogenerated from biaryl systems

Shi, Yijian; Wan, Peter

Patent Assignee/Corporate Source
Department of Chemistry, University of Victoria, Victoria, BC, V8W 3V6, Can

Source Canadian Journal of Chemistry (2005), 83(9), 1306-1323 CODEN: CJCHAG, ISSN: 0008-4042

Language English

Abstract

A country of body quinter mithlides have been pleatogenerated with a range of efficiency is ben bay precauser, all howing bytessing and hydrogenerally statisticated on alternative rings. These rows body quarter mithlices, with country to leadly generated with health as the special position of the product of the product

CAS Registry Number

Chemical or Trade Name 6H-Dibenzo|b,d]pyran (CA INDEX NAME)



L5 ANSWER 10 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2005 777815 CAPLUS Full-text

Direct Arylation Reactions Catalyzed by Pd(OH(2/C: Evidence for a Soluble Palladium Catalyst

Authoritimation, Linux, Violent, Durner, Fagnou, Kerth
Person, Linux, Violent, V

Document Type

Language English

Fig. 1. The Control of the Control o

Chemical or Trade Name 6H-Dibenzo|b,d]pyran (CA INDEX NAME)



L5 ANSWER 11 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Iconsisten Number 2005 296730 CAPLUS Full 2025

143 7579 Trite

High-yielding inframolecular direct arylation reactions with anyl chlorides

Campeau Louis-Charles, Thansandote, Praew, Fagnou, Keith
Patent Assigned Corporate Source
Department of Chemistry, University of Ottowa, Ottowa, ON, K1N 6N5, Can

Organic Letters (2005), 7(9), 1857-1850 CODEN, ORLEF7, ISBN 1529-7060 Document Type

Language English Abstrac

An N-heterocyclic carbene calladium catalyst system was used to promote direct systaton of a broad range of anyl chlorades to form soc and five-membered ring brangs, e.g., 1. An influence of the halide on the palladium precidityst on catalyst activation has been revealed, as has a beneficial effect of NHC salts that allowed the tumover nos to be increased by simple addition of indiacelium saits to the reaction mixture

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 68-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 12 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2004.53971 CAPLUS ENDESS DOCUMENT Number 141140284

Tel: 11/2024

Tel: Bapty (primises va direct de/afon, establishment of an efficient calebyst to entameticable processes Author Environ.

Composa, Loud-Charles, Parisien, Marhieu Ledoux, Millesse, Pagoou, Nathin Faster Control of Composa, Loud-Charles, Parisien, Marhieu Ledoux, Millesse, Pagoou, Nathin Cardin for Cottal year Research and innovention, University of Otiones, Ontines, Ok KIN M 616, Can.

Cardiar for Cottal year Research and innovention, University of Otiones, Ontines, Ok KIN M 616, Can.

Source
Journal of the American Chemical Society (2004), 126(36), 9165-9187 CODEN JACSAT, ISSN 0002-7963
Document Type
Journal
Language
Language
English

The direct and proposed acceptance of the second control of the se

CAS Requestry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



CAS Registry Number 725213-82-1 CAPLUS

Chemical or Trade Name 68-Diberso(b,d)pyram-0-d (901) (CA INDEX NAME)

L5 ANSWER 13 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2004/322092 CAPLUS Full-baye

Document Number

141.38470

Formal Radical Cyclization onto Benzene Rings. A General Method and its Use in the Synthesis of ent-Nocardione A

Citye, Derrick L. J., Fletcher, Stephen P., Liu, Dazhan

Patent Assignee Corporate Source
Chemistry Department, University of Alberta, Edmonton, AB, T6G 2G2, Can Source

Journal of Organic Chemistry (2004), 69(10), 3282-3293 CODEN JOCEAH; ISSN 0022-3263

Language English

A. An indirect method is described for effecting radical cycloidation onto a bienzeriering. Citose-conjugated chencies, e.g. II, which are readily prepared from phenois, undergo radical cycloidation, and the products, e.g. III, are easily aromatized. The method has been applied to the symthesis of (e)-ent-incorridions A (III). Hit Structure

Chemical or Trade Name 6H-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 14 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2003 834761 CAPLUS FidHest

Document Number

139 230241

Control of Kinetics and Thermodynamics of [1,5]-Shifts by Aromaticity: A View through the Prism of Mercus Theory

Centre of Kriteria star Immongation Control of Kriteria Star Immongation Control of Kriteria Star Immongation Control of Journal of the American Chemical Society (2003), 125(31), 9329-9342 CODEN: JACSAT; ISSN: 0002-7863 Document Type

Language English

The states of a second collection in the result of the first which is considerable and the state of the state Hit Structure

CAS Registry Number

Chemical or Trade Name 68-Dibenzo(b,d)pyran (CA INDEX NAME)



LS ANSWER 15 OF 59 CAPLUS COPYRIGHT 2019 ACS on STIN

Accession Number 2003/107411 CAPLUS Fid-text Document Number 139/36414

Formal radical cyclization onto benzene rings-a general method proceeding wa cross-conjugated thenones

riventor Clive, Demick L. J., Fletcher, Stephen P., Zhu, Mingchao

Patent Assignee/Corporate Source Chemistry Department, University of Alberta, Edmonton, AB, T6G 2G2, Can-

Chemical Communications (Cambridge, United Kingdom) (2003), (4), 526-527 CODEN CHCOFS, ISSN 1359-7345

Document Type

Language English Abstract

Observangeled directives, which are needing variable from primeria, undergo radical glocations, and the products were easily variables(in dying additioners that are morthy derived by radical collection onto a because ring general primeria with primeria and produced as the primeria of the primeria as because the primeria of the prime Hit Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 68-Dibenzo[b,d]pyran (CA INDEX NAME)



L3 MODRES I GOT NO CAPULE COMPRIGHT 2009 ACG on STN

ACCOUNTY TO A CAPULE CAPULA CAPULE CAPULE CAPULE CAPULE CAPULE CAPULE CAPULE CAPULE CAPULA CAPUL

Source

Organishabosen Compounds (2001), 50(Dools 2001), 364-369 CODEN ORCOEP, ISSN 1926-4992

Document Type

Journal

Language

English

Abstract

Administration of the design and developed to design compared any processing of the design of the de

CAS Requetry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



```
L5 ANSWER 17 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number 2002 271159 CAPLUS Full-text
Document Number
         137.295964
         Engineering bacterial capable of degrading hamiful chemicals
Author Inventor
Fukukawa, Kensuke
Patent Assignee Corporate Source
Graduate School of Agriculture Research, Kyushu University, Japan
Source
Kagaku Kogyo (2002), 59(2), 101-106 CODEN: KAKOAY; ISSN: 0451-2014
Document Type
Journal, General Review
Language
         Japanese
Accurate.
A review on the introduction of general for betweendeaten-associated enzymes into bacteria to prepare "jusperbugs" for the degradation of environmental poliularis, such as polyvinytich engl (PCB), single-ling aroms, of between and down, inchloroethylene, etc.

His Structure
         CAS Requetry Number
229-95-8 CAPLUS
         Chemical or Trade Name
6H-Dibenzo[b,d]pyran (CA INDEX NAME)
   L5 ANSWER 18 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
2001 85093 CAPLUS Full-text
Document Number
         134:310967
         A new cascade radical reaction for the synthesis of blaryts and friends from benzyl iodoaryl ethers
```

A new cascade institut relations to the symmetric relation for the Hurranium, D. C.; Nurn, M. I. T.; Newman, N. A.; Fernetck, D. R. Pattert Assigned Corporate Source Department of Chemistry, The University, Southermpton, 5017 IBJ, UK Tetrahedron Letters (2001), 42(5), 961-964 CODEN TELEAY, ISSN 0040-4039 Language English

or
A new method of symfresizing biaryls and triaryls through an intramel, ippo-substitution reaction initiated by the addition of an anyl radical to a benzyl effect is described. A fundem variant of the reaction is also demonstrated.
Addid, a short symfress of possusperus, a matural product found in the sepanced issue of Sorbus accupance, or experted. Hit Structure

CAS Requetry Number 229-95-8 CAPLUS

Chemical or Trade Name 68-Dibenzo[b,d]pyram (CA INDEX NAME)



L5 ANSWER 19 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2000:632495 CAPLUS FLEXING

Document Number 134/325205

Simple and Efficient TrCI4-Mediated Byrithesis of Bravits via Arvimoonessum Compounds

Author/Inventor

Authornweiter kangawa, K. Shinokubo, H., Cuhima, K. Patent Assignee Corporate Source Graduate School of Engineering, Department of Material Chemistry, Kyoto University, Saltyo-ku, Kyoto, 666-8501, Japan

Tetrahedron (2000), 56(49), 9601-9605 CODEN: TETRAB, ISSN: 0040-4020 Document Type

Journal Language English

Additional Collection and coupling seatlows of various principal water towards proposed two inclosed its, it is in the CAMP. (Ps. ft by aft TCA) affects the consequenting year term, but in it is necessarily as a first of the consequence of t

CAS Registry Numb 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyran (Ch INDEX NAME)



L5 ANSWER 20 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2005 5279 CAPLUS Exists Document Number 132 207898

Trite QuCl-Mediated Intramolecular Oxidative Coupling of Aryl- and Alkenyltrimethylstennane Functions

Co-Christians Intermediate Oxisten Course on my man many man man and m

Address represent the interdiscipations are sp. [IR = R = R = R + N = OCIC CRECOES CRECOES as decarbed. Treatment of less address as the gaps is easy of OCI in IMM or the tiled me thick. In some case, accessed acceptable present the spC certain bearing to less that acceptable the representation specific present the spC certain bearing to less that in DMF at most personal presentation of OCI in IMM or the tiled me thick. In some times a things the products, e.g., i. E.g., | |R| = R2 = R3 = R, X = CRECOESTECTS in their in DMF at most personal presentation of OCI in IMM or the tiled me the specific presentation of OCI in IMM or the tiled me til

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



```
L5 ANSWER 21 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1997 8127 CAPLUS Full-teat
Document Number
126 131352
          The chemistry and reactivity of any radicals - the C-C band formation from a-bromobenzy/phenyl ethers with tin hydride and azobisisobuly/centrile
          Rose, Ane M., Lobo, Ane M., Branco, Paule S., Prebhaker, Sunderesen
Patent Assignee Corporate Source
Dep Guimica, Univ Nova Lisboa, Monte da Capanica, 2825. Port
Source
          Tetrahedron (1997), 53(1), 285-298 CODEN; TETRAB; ISSN: 0040-4020
Language
English
          Treatment of 2-promotionary PPs others and a two bold excess of tributifits hydride (TBTH) with 0.5 to 0 mile oppositent of AIBN induced an inefficient C(ony4-C(ony4) bond formation. The structures of the products recurring from a 1,6 and or a 1,5 and or a 1,5 and or sever found to be largely determined by the presence of absence of the substituent and its position in the Ph imag. For example, the radical systication of 1-bromo-2-(phinosymethy/libencene gaves effectively).
Hill Structure
          Chemical or Trade Name
6H-Dibenso(b,d)pyran (CA INDEX NAME)
, L5 ANSWER 22 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1993 180582 CAPLUS <u>Full-dext</u>
Document Number
118 180382
          Part I. Novel synfreses of substituted 4H-dibenze(b)d(pyrans by Pischerr cycloration. Part II. Synfheses and studies of mesomorphic compounds derived from 3-amino and 3-hydroxy-6H-dibenze(b)d(pyrans
Author/mentor
          Su, Wen Chen
Patent Assignee Corporate Source
Kent State Univ., Kent, OH, USA
Source
          (1991) 165 pp. Avail. Univ. Microfilms Int., Order No. DA9200536 From Diss. Abstr Int. B 1992, 52(7), 3812
Language
English
          Dissertation
          Unavalable
Hit Structure
          CAS Registry Number
229-95-8 CAPLUS
          Chemical or Trade Name
6N-Dibenzo|b,d)pyran (CA INDEX NAME)
   L5 ANSWER 23 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1993 141294 CAPLUS FLEENS
Document Numbe
          118 141294
Title 1912/99

Determination of tetrachlorinasted dibenzo-p-discorts, dibenzo/furans, and related compounds in the commercial herbicide 2,4-D
Authorimentor

Brodaixi, E. S.; Klycev, N. A., Zhimikov, V. G.; Murenets, N. V.; Bochsrev, B. V.; Rusinov, G. L.

Patent Assignie Corporate Source

Inst. Amir Evol. Morphal Ecol. Moscow, Russia
Source
          Zhurnal Analitichesko: Khimii (1992), 47(8), 1497-503 CODEN ZAKHAS, ISSN 0044-4502
Document Type
Journal
Language
Russan
          Combined gas chromating, and low-resolution mass speciascopy were used to determine PCBs, di-Ph ethers, phenosphenois, polytholinated diberco-p-disuries, aumhories, and polychromated berechnars in the com samples of the hindroids 24-0. Told contents of tetrachromated diberco-p-disuries and tetrachromated manual resolutions in the land sample were 3.9 and 10.2 1 mg/g and in the second sample 2.6 and 7.60 mg/g, resp., the most back TUCO level in 12 supples were 3.0 and 10.0 mg/g resp.
Hit Struct
           CAS Registry Number
146442-65-1 CAPLOS
```

Chemical or Trade Name 6H-Dihenzo(b,d)pyran, dichloro- (9CI) (CA INDEX NAME)



2 (D1-C1)

L5 ANSWER 24 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1993;123817 CAPLUS EXEMPT

ValleyScan*: A new ton-town units
Author/Investor
Bringmann, Gerhard, Guessregen, Stefan; Busse, Holger
Patient Assigner Corporate Source
Inst Org. Chem., Univ. Wuerzburg, Wuerzburg, D-8706, Germany ValleyScan' A new two-band drive technique for the calculation of potential energy surfaces with less computational effort

Journal of Computer-Asset Molecular Design (1992), 6(3), 505-12 CODEN, JCADEQ; ISSN: 0920-654X Document Type

Journal Language English

Abstract And CRV form recognition to School de Vising Const. I december 1 procedes to ent to devend convenience quality in recognition to an armonity part of a to-de-commonated DDI gail const. This are procedured to ent

CAS Requetry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyran (CA INDEX NAME)

L5 ANSWER 25 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1993 101685 CAPLUS Full-text

118 101683

Origin of the [M - H]+ ion in flavanone

rnventor Guidugli, Federico H., Kalvra, Juan, Santillan, Rosa L., Ganbay, Maria E., Joseph-Nathan, Pedro

Patent Assignee/Corporate Source Fac Quim Bioquim Farm , Univ Nac San Luis, San Luis, 5700, Argent

Organic Mass Spectrometry (1992), 27(11), 1299-904 CODEN ORMSBG, ISSN 0030-493X

Language English

Tall Caudes of the genesis of the [M - H] - spin in flavances and 2-hydroxycholcone, performed with the aid of metastable decompres and deuterium labeling, allow new structural notations to be postulated for the [M - H] - none, which in turn provide evidence for the partnersys in the [M - H] - indexes[a transfer of these computs. Hit Structure

Chemical or Trade Name 6H-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 26 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1991 607804 CAPLUS Full-text

Document Number

115:207504

Mechanism of photosomerization of xanthene to 6H-dibenzo(b,d)pyran in aqueous solution Author/Inventor

Authornmenter
Haung, C. G.; Shukla, Deepak, Wan, Peter
Patent Assignes/Corporate Source
Dep Chem., Univ. Victoria, Victoria, BC, VSW 3P6, Can.

Source Journal of Organic Chemistry (1991), 56(18), 5437-42 CODEN, JOCEAH, ISSN: 6622-3263 Document Type

Language English

Important

The photoconnectation of sentimene (i) to 6H dibercação dipyron (ii) is reposted and a reaction mechanism processed that involves initial Av-O band homolysis from the singlet excited state. The reaction was most efficient in appears solution and appears to be general for sentence device as exemplised by photolysis of 9-methylcombiano. Hit Structure

CAS Requetry Number 229-95-8 CAPLUS

Chemical or Trade Name 68-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 27 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1991 550256 CAPLUS FLEXING

Document Numbe 115 158256

Photocyclization of 2-(2-hydroxyphenyl)benzyl alcohol and derivatives via o-quinonemethide type intermediates

Author/Invento riventor Husing, C. G.; Bevendge, Kathryn Anne, Wan, Peter

Patent Assignee/Corporate Source
Dec Chem. Univ. Victoria, Victoria, BC, VSW 3P6, Can.

Journal of the American Chemical Society (1991), 113(26), 7676-84 CODEN: JACSAT, ISSN: 6662-7863 Document Type

Language English

An approachem reaction, the photocyclaration of 2.0° hydroxyptere/fleeroy/de. (if) and devins, to 44-debroxybip/glypers, is reported. The quantum yield for cycloration of 1 to give pyram (fill is \$50,5.00 in supercus science, of the photocyclaration of 2.0° hydroxyptere/fleeroy/de. (if) and devins, to 44-debroxybip/glypers, is reported. The quantum yield for cycloration of 1 to give pyram (fill is \$50,5.00 in supercus science, of the photocyclar of 2.0° hydroxybip (fill is \$50,5.00 in supercus science, of the photocyclar of 2.0° hydroxybip (fill is \$50,5.00 in supercus science, of 2.0° hyd

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 28 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1991 491 492 CAPLUS Full texts
Document Number 115 91452

Title Photochemistry of phenoxybenzyl alcohols in aqueous solution: photosolvolysis vs. photorearrangement to 6H-dibenzoljb,djpyrans

Photochemistry of phenoxybenayl accepts in aqueous sol Author/Inventor Huang, C. G., Wan, Peter Patent Assignes Corporate Source Dep. Chem., Univ. Victora, Victoria, BC, VSW 3P6, Can.

Source Specific Chem. Univ. Visitida, Visitida, etc., 1977 afra, vam.

Source Organic Chemistry (1991), 56(16), 444-53 CODEN JOCEAN, ECIN 0022-3269

Journal Type

Journal Chemistry (1991), 56(16), 444-53 CODEN JOCEAN, ECIN 0022-3269

Journal Chemistry (1991), 56(16), 56

The protections of phrospheroly (e.g. DCCOPACH-6), CRACK-10 (1), and CRCOPACH-60 (1) and the protection of phrospheroly (e.g. DCCOPACH-6), CRACK-10 (1), and CRCOPACH-60 (1), and the protection of phrospheroly (e.g. CRCOPACH-60), an Hit Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6N-Dibenzo(b,d)pyran (CA INDEX NAME)



```
L5 ANSWER 29 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1990 531938 CAPLUS Ful-1927
Document Number
        113 131930
        Model synthetic studies for the construction of 5H-phenanthro[4,5-bcd]pyran and -pyrone systems
        Majumder, P. L.; Sarkar, A. K.
Patient Assignee Corporate Source
Dep Chem , Univ Coll Sci , Calcutta, 700 009, India.
Source
       Journal of the Indian Chemical Society (1989), 66(8), 673-80 CODEN JICSAH, ISSN: 0019-4522
Language
English
        74
The proposition of the title phenominopyon and options systems e.g. I (R, R1 = H, RR1 = O) via the cyclosolion of 5.244eQ2CCH2(MeO)C6H3CCH2C8H4NH2-2 to dibenz[bo]pyran II and starting from 3.4-HO(MeO) CH1CH2CH and 2-024C6H4CH2CH is reported.
Hit Structure
        CAS Requetry Number
229-95-8 CAPLUS
        Chemical or Trade Name
6H-Dibenzo[b,d]pyran (CA INDEX NAME)
  L5 ANSWER 30 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
```

Accession Number 1989 212550 CAPLUS FidHeat

Document Number

110/212550

Photocyclization of o-phenoxybenzyl alcohols in aqueous solution. A sample synthesis of 6H-dibenzollo/djpyrans

Author/invento Wan, Peter; Huang, Cai Gu

Wan, Peter, Huang, Cai Gu Patent Assignee Corporate Source Dep Chem , Univ Victoria, Victoria, BC, V8W 2Y2, Can

Source
Journal of the Chemical Society, Chemical Communications (1968), (17), 1193-5 CODEN. JCCCAT; ISSN: 0022-4936
Document Type

Language English

7. A new photochem: cyclization of c-PhOC6H4CH2OH in aqueous solution gave rise to (6H)-dibenzo(b,djpyran (f) in good yield. Hit Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6N-Dibenzo(b,d)pyran (CA INDEX NAME)



LS ANSWER 31 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1985/45857 CAPLUS <u>Fuk-lext</u>

Document Number 102 45857

Palladium-catalyzed cyclication of 2-substituted halogenoarenes by dehydrohalogenation

Author/Inventor

Ames D. E., Opalko A.
Parent Assignee Corporate Source
Chem. Dep. Chelsea Coll., London, SW3 6LX, UK.

Source Tetrahedron (1984), 40(10), 1919-25 CODEN: TETRAB, ISSN: 0040-4020

Document Type

Language English

Consideration consistent by 19 statisties and solvents and determination from an attendancy prime image (NONE) in Addition in NECOT on based his bose consistent or sometime to some to some whereas prime image. NONE) in Addition in NECOT on based his bose consistent or sometime as sometime to some to some whereas prime image. NONE of the product of some in Additional Appropriate (NONE) and produce of some in Additional Appropriate (NONE) and produce of some in Additional Appropriate (NONE). And produce of the Appropriate (NONE) and produce (NONE) and produce (NONE) and produce (NONE) and produce (NONE). And produce (NONE) are also also associated to the produce (NONE) and produce (NONE) and produce (NONE) and produce (NONE). And produce (NONE) are also associated to the produce (NONE) and produce (NONE) and produce (NONE). And produce (NONE) are also associated to the production of a Security of the Production of a Security of the Production of the Production of a Security of the Production of the Production of the Production of a Security of the Production o Hrt Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyran (Ch INDEX NAME)



LS ANSWER 22 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN ACCESSION Number 1984 822485 CAPLUS Exiting 101 222486 THE 101 222486 THE

Title IV. CLEASES ... 100 LEASES ...

Advanced.

Advanced Transport Interaction (IR + of CR I+ vt. Mr. Bit. N. DOUGH RC + ON, DL, COORD, RC + vt. B. Interceptionating a control of the property of

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6N-Dibenzo(b,d)pyran (CA INDEX NAME)



LS ModReS to PE'S CAPLUS COPYRIGHT 2009 ACS on STN
Accessed Nature
Dearment Na

Dhiristivas of Substituted Hildberratips dipyrian used Author Investor Dahadori, Plade, Lowoth, Plan Pade Pater Assignes Corporate Source Formidatic Carlo Elba Sp. A., Italy Source Fourcest Type Cocurrent Type Language French

PATENT NO.	KIND	DATE	APPLICATION NO	DATE
FR 2492378	Ai	19820423	FR 1981-19685	1981100
FR 2492378	B1	19850528		
US 4463001	A	19840731	US 1981-307597	198110
IL 64008	A	19860731	IL 1951-64008	1981104
AU 8176161	A	19820909	AU 1981-76161	198110
AU 542121	B2	19850207		
ZA 8107002	A	19820929	ZA 1951-7002	195110
FI 8103144	A	19820421	FI 1981-3144	198110
FI 84824	В	19911015		
FI 84824	С	19920127		
GB 2091721	A	19820804	GB 1981-31290	195110
GB 2091721	В	19840215		
DE 3141387	A1	19820812	DE 1961-3141357	198110
DE 3141387	C2	19910502		
BE 690773	At	19520419	BE 1961-206273	195110
DK 8104613	A	19820421	DK 1981-4613	198110
DK 154974	В	19590116		
DK 154974	С	19590512		
SE 8106167	A	19820602	SE 1981-6167	198110
SE 452009	В	19871109		
SE 452009	С	19880218		
JP 57095981	A	19820815	JP 1951-165694	195110
JP 01057114	В	19891204		
CH 651302	A5	19850913	CH 1981-6665	198110
SU 1318163	A.3	19870615	SU 1981-3345602	198110
CA 1235703	A1	19860426	CA 1981-388273	195110
NL 8104749	A	19820517	NL 1981-4749	1981100
NL 191562	В	19950516		
NL 191562	С	19950919		
AT 8104487	A	19650915	AT 1981-4487	1981100
AT 380245	В	19860425		

Hit Struct

Chemical or Trade Name
Dibenzo(b,d)pyrylium, perchlorate (7CI, 8CI, 9CI) (CA INDEX NAME)

CRN 14797-73-0 CNF C1 04

CRS 229-97-0 CMF C13 H9 0



L5 ANSWER 34 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1982 34311 CAPLUS Euf-text Document Number 96 34311

Trie

Mitchanisms of formation of [M-HCO]+ and [M-C6H5CO]+ ions from isomers of 1,4-banzodioxin derivatives

Michanisms of will secure of Authorithment of Authorithment of Bouchoux, Guy, Dagaut, Jacques Patent Acaignes Corporate Source
Lab Synth Olg, Eo Polytech , Palaiseau, 91128, Fr.

""" 18/6), 246-8 COD

Crgamo Mass Spectrometry (1981), 16(6), 246-8 CODEN: ORMSBG; ISSNI. 0030-493X Document Type Journal

Language English

Assistant The benezotion devis I and E (R + I). Phi interconvert prior to fragmentation at low interest energy. The mechanisms of the 2 major fragmentations (HCO and PhOD loss) were studied by kinetic energy-elease determents and appearance-energy measurement. The fragment one have a otherstopyran structure.

HE Dructure

Chemical or Trade Name 6H-Dibeaso(b,d)pyran (CA INDEX NAME)



L5 ANSWER 35 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1981 550314 CAPLUS Full-but

95 150314

Trie The Pschorr cyclization of aromatic amines with tert-butyl thiomitrate in nonaqueous media

The Pactor operation of accurate Authorization Cose, Shiperu, Ida, Kazuyuki, Shinhama, Kicihi, Takata, Toshikacu Ose, Shiperu, Ida, Kazuyuki, Shinhama, Kicihi, Takata, Toshikacu Paterir Asagawa Corporate Source Dep Chem

Bulletin of the Chemical Society of Japan (1981), 54(8), 2374-8 CODEN: BCSJA8; ISSN: 0009-2673 Document Type Journal

Language English

The Probutin cyclisation of various any famines e.g. o-HONC6H4OPh, with MedCSNO2 under normal, conditions gave the corresponding cyclic products, e.g. i, in moderate yields. The same resolion also proceeded residily with p-NeCH4H0CSNO2 and contemporative Treatment of o-maniphing lady either or suitible with MedCSNO2 gave internet. Mederate maybe the beliefue bond attending 2-thiconorizonan or -hostnorms, though the yeard waste for Tepulous international enhancement of the processing and the processing of the processing and the processing of the processing of the processing and the processing of the

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 36 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1977 542135 CAPLUS FLEISLS

Document Number 87 142135

Thermochemistry of some six-membered cyclic and polycyclic compounds related to coal Author/Inventor

Show. Robert; Golden, David M.; Berson, Sidney W. Patent Assignee/Corporate Source Sunnyvale, CA, USA

Source CA, USA.

Source Physical Chemistry (1977), 81(18), 1716-29 CODEN. JPCHAX; ESIN 6022-3654

Source Type

Journal

Lampang-right

Annual

Abstract

Associated in the control of the Immobilies (IMMCONE), SCONNO, COXXVIII) of them 6 members of code and polycycle compos. Classes of composite holds are (a) control to the Immobilies (IMMCONE), SCONNO, COXXVIII of the Immobilies (IMMCONE), the CoxXVIII of the Immobilies (IMMCONE) and IMMCONE (IMMCONE), the Immobilies (IMMCONE) and IMMCONE (IMMCONE) and IMMCONE (IMMCONE), the Immobilies (IMMCONE) and IMMCONE (IMMCONE) and IMMCON

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyran (CA INDEX NAME)



```
L5 ANSWER 37 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1977/170601 CAPLUS Full-text
Document Number
           85 170501
Title

Determination of the energy of highest occupied molecular orbitals of heteroorganic compounds using spectral data.
Author/Inventor
Nechaev, E. A
Patent Assignee/Corporate Source
Inst Merziotoved , Yakutsk, USSR
Source
          Zhurnal Fizicheskoi Khimii (1977), 51(1), 30-4 CODEN ZFKHA9, ISSN 0044-4537
Language
Russian
Acceptance Annual Section 2015 Annual Sec
           Chemical or Trade Name
6H-Dibenzo[b,d]pyran (CA INDEX NAME)
   L5 ANSWER 38 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1976 130124 CAPLUS FidHead
Document Number
           84 130124
           Drugs derived from cannabinoids 2 Basic esters of nitrogen and carbocyclic analogs
Author Diving Control of the Control of 
Journal of Medicinal Chemistry (1976), 19(4), 454-61 CODEN JMCMAR, ISSN: 0022-2623
Document Type
Language
English
         IOT 25 basic eaters of nitrogen and cerbocyclic compatituded analogs pharmacol tested in mice, rate, dogs, and cate, I (#857/46/4] was more potent than codeine phosphate ($2/46/4) in the writhing, hot-clate, and fall flick tests, and I ($0/16/46/4) was more potent than codeine phosphate ($2/46/4) in the writhing, hot-clate, and fall flick tests, and II ($0/16/46/4) was more potent than codeine phosphate ($2/46/4) in the writhing, hot-clate, and fall flick tests, and III ($0/16/46/4) was more potent than codeine phosphate ($2/46/4) in the writhing, hot-clate, and fall flick tests, and III ($0/16/46/4) was more potent than codeine phosphate ($2/46/46/4) in the writhing, hot-clate, and fall flick tests, and III ($0/16/46/4) was more potent than codeine phosphate ($2/46/46/4) in the writhing, hot-clate, and fall flick tests.
Hit Structure
           CAS Requetry Number
229-95-8 CAPLUS
           Chemical or Trade Name
6N-Dibenzo[b,d]pyran (CA INDEX NAME)
   L5 ANSWER 39 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN
```

Accession Number 1975:456601 CAPLUS FLEXIBLE

Document Number 63 55601

6H-dibenzolb dlowans, I. Synthesis

Author/Inventor Devin, John P

Patent Assignee/Corporate Source
Pharma Res Canada Ltd., Pointe Claire, QC, Can.

Canadian Journal of Chemistry (1975), 53(3), 343-9 CODEN CJCHAG, ISSN 0008-4042 Document Type

Journal Language English

2 24-O'Dhydrosy- and 2' 6'-d'hydrosy biphiny/-2-carboxyks acid ladomes, e.g. (x = o), were prepared from o BiCMHCO2H and diffydrosybenzienes. Originard addition to or direct BF3 EtC-NaBH4 reduction of these lactones yelds resp. 6-subchited, e.g. (x = Me2), or the 6,6-unsubchited, e.g. (x = Me2), or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,6-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited, e.g. (x = Me2), but districtly or the 6,0-unsubchited (Hit Structure

CAS Registry Num 229-95-8 CAPLUS

Chemical or Trade Name

6H-Dimenso(b,d)pysan (CA INDEX NAME)



L5 ANSWER 40 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN 1574 152451 CAPLUS EMERICA 50 00 152451 Tide 50 152451

Rearrangements of organometatic compounds. X. Mechanism of 1,2-aryl migration in the Wittig rearrangement of a-metallated benzyl aryl ethers

Reamangements of organometalic compounds. X. Mechani Author/Inventor. Bisch, John J.; Kovaca, Casba A.; Rhee, Sue-Goo Potent Assigned Corporate Source. Dep. Chem., Cathol. Univ. America, Wachington, DC, USA

source

Journal of Organometallic Chemistry (1974), 65(3), 289-901 CODEN JORCAL ISSN 0022-326X

Document Type

Journal

Language English

The resolution of 1 2-yi gifts in the Wilding reprogrammed of enablated beingt any effects real investigated by the examination of the feltivating which is the Wilding reprogrammed of enablated beingt any effects real investigated by the examination of the feltivating which is the COSEN, p. and in AMOCCHECOSEN, 2.4-(ii) AMOCCHECOSEN, 2.4-(ii) AMOCCHECOSEN, in their validation, in their validation of the feltivation of the feltivation of the second controlled with the feltivation of t

CAS Requetry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyran (CA INDEX NAME)



L5 ANSWER 41 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1973 89749 CAPLUS <u>Full-text</u>

78 69749

Fluorescent hapten-protein conjugates Author/Inventor

Gross, Stanley Joseph

Ger Offen 107 pp CODEN GWXXBX

Document Type Patent

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2128517	A	19720529	DE 1971-2128517	19710505
GB 1364925	A	19740829	GB 1974-7824	19710604
FR 2113821	A.5	19720530	FR 1971-21358	19710511
NL 7115795	A	19720518	NL 1971-15795	19711116
SE 7410067	A	19740805	SE 1974-10067	19740805
CA 1022923	A2	19771220	CA 1975-238611	19751027

Execution of remembers in the properties of substantial assistants assigned as advanted in addition. In formation is formation when the substantial is all an advantage of the substantial is a substantial in the complete of the substantial is a distinguish produce compressable to the behavior and or exception and an extent of the Day gainst to distinguish dependent of designating and the conditionable of the Day gainst to distinguish of designation of the substantial of the substantia Hit Structure

L5 ANSWER 42 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1972:59377 CAPLUS <u>Full-text</u>

Document Number 76 59377

Persulfate axidation of carboxylic acids. IV. Oxidation of (o-arytphenoxy) scellc acids

Author/Inventor
Dewar, P. S., Forrester, A. R., Thomson, R. H.

Patent Assignee Corporate Source
Dep Chem, Univ. Aberdeen, Aberdeen, UK

Source

Journal of the Chemical Society [Section] C: Organic (1971), (23), 3950-9 CODEN; JSOOAX, ISSN 0022-4952 Document Type

Language English

Control of SPICE (CONTROLLE) (a. p. b.t. No view 10000 gave a PACH (CONTROLLE) which is defined to CP in a 4-debyted channelly, depring and demon compat. (b. p. 4.66 of 8 Principles 24 240) in a control of the contro Hit Structure

CAS Registry Number 229-95-8 CAPLUS



L5 ANSWER 43 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1970-465754 CAPLUS Fish-Seat

New reactions with persuitate oxidation of a-phenylphenoxyacetic acids

New reactions with persuitate authorition of optionylpheneox Arthor/Inventer Dewar, P. S., Forrester, Mexander R.; Thomson, Renald H. Patent Assignee-Corporate Source Dep Chem., Univ. Aberdeen, Old Aberdeen, UK Source

Journal of the Chemical Society [Section] D. Chemical Communications (1970), (14), 850 CODEN: CCJDAO, ISSN: 0577-6171 Document Type

Language English

Implies
Address
SDEC - criticals of a phenylphenoxyceotic acid to the a phenylphenoxymethyl naticals cyclood if inframol to give cyclohoxadenyl naticals which were either cedicad to discrepy or and a related bis occula or dimensional
Richarduse

Chemical or Trade Name 6H-Dibenze(b,d)pyran (CA INDEX NAME)



L5 ANSWER 44 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1969 32935 CAPLUS EUGEN1

Document Number 70 32935

Pariser-Parr-Pople calculations and comparison of electronic spectra of iso-n-electronic oxygen, nitrogen, sultur, and selenium heterocycles

Inventor Fabran, Juergen; Mehlhorn, Achim, Zahradnik, Rudolf

Patent Assignee Corporate Source Tech Univ Dresden, Dresden, Fed Rep. Ger

Theoretica Chimica Acta (1968), 12(3), 247-55 CODEN: TCHAAM; ISSN: 0040-5744

Document Type Journal

Memory discorptic (CD) formiti) derived from alternant or nonethermath hydrocolors by registering a CC group by an C. N. E. or Se atten, are admitted by the Person Person-Proper-logist classes. By memory of these results for more us of models specified and exception are described. The Set and the Section as seated in the LCL ALM. And method by darky to promote if the model assess, proceedings about season and one of the section and the sectio

CAS Requetry Number 229-91-0 CAPLUS

Chemical or Trade Name Dibenzo(b,d)pyxylium (SCI, SCI) (CA INDEX NAME)



L5 ANSWER 45 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1969 3740 CAPLUS Full-teat Document Number 70.3740 Trite Two preparations of spirodibenzopyran Author-Inventor Chenault, Jacques; Rollin, Patrick; Setton, Ralph Patent Assignee Corporate Source Lab Chim IV, Fac Sci., Orleans-La Source, Fr Comptes Rendus des Seances de l'Academie des Sciences, Serie C. Sciences Chimiques (1968), 267(5), 405-7 CODEN CHDCAQ, ISSN 0567-6541 Language French Abstract

Abstract Ab Hit Structure Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME) L5 ANSWER 46 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1965 471814 CAPLUS Fiditest Document Number 63 71814 Heterogramatic cations IV. Hydrolysis of chromytum, theichromytum, and selenechromytum perchlorates Author/Inventor Authornmentor
Degani, Jacopo; Fochi, Rifa; Spurta, Giuseppe
Patent Assigne Corporate Source
Univ Bologna, Italy Bolletino Scientito della Facota di Chimca Industrale di Bologna (1965), 23(2-6), 151-64 CODEN: BSFCAY; ISSN: 0366-3205 Journal Language Italian For A SEAT Stand of the hydrogen of from plan. Production, must enhance the relation by the residence of the hydrogen of the h Hit Structure CAS Registry Number 3541-47-7 CAPLUS Chemical or Trade Mame Dibenzo (b,d)pyrylium, perchlorate (701, 801, 901) (CA INDEX NAME) CRN 14797-73-0 CMF C1 04

1958:88056 CAPLUS Fuk-lext Document Numbe

52 88056

Dibenzo(b,d)pyrans and related products

Author/Invento Cavil G W K Dean F M Keenen J F F McGooke A Rebertson Nevander Smith G R

Patent Assignee/Corporate Source Univ. Liverpool, UK

Journal of the Chemical Society (1956) 1544-9 CODEN: JCSOA9: ISSN 0368-1769 Document Type

Language je Hanomiski

The contained by the contained of the co Hit Struct

Chemical or Trade Name 6H-Dibenzo(b.d)ovenn (CA INDEX NAME)



LS ANSWER 46 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

ion Number 1957:39250 CAPLUS <u>Eustiect</u>

51.39250

Trite 4-Styrylcournarins in diene synthesis. II

Author/In Mustata Ahmed Kamel Mohamed Allam, Mohamed Aly

Patent Assignee Corporate Source Cairo Univ., Giza. Egypt

Journal of the American Chemical Society (1956), 78, 4692-4 CODEN: JACSAT, ISSN: 0002-7863

Document Type

PRIOC 21: 16 now 1/ 17, 0-bLCCHH. 4. PRIOC 29: 50, now 1/ 31, 3-bbCCHH. 2 PRIOC 29: 50, now 1/ 31, 3-bbCCHH. 2 PRIOC 29: 50 now 1/ 31, 3-bbCCHH. 3 PRIOC 29: 50 now 1/ 31, 3-b

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyren (CA INDEX NAME)



L5 ANSWER 49 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1966 12392 CAPLUS Full-text

Document Number

50 12392

4-Styrylcournains and 2,3-dimethylquinoxaline in diene syntheses

Mustafa, Ahmed, Kamel, Mohamed

Patent Assignee Corporate Source Cairo Univ , Egypt

Journal of the American Chemical Society (1955), 77, 1828-31 CODEN JACSAT, ISSN 0002-7863

Language Ungvallable

Uncombine

Dome of this Globard (Ed.) given (E.), 1999 is such years (III) and hondrightenium (III or Y) may be obtained born 4 any honormees (Y) and 2.3-developmentally (Y) in the Date-Arise receives. An improved method by 1999 is the properties of the Company of the Company

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



L5 ANSWER 50 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

ion Number 1953:41675 CAPLUS <u>Full-text</u>

47 41675 Trie

Bacteriostatic action of several furan derivatives. I. Fungistatic action for fungi growing on tobacco leaves Author/Inventor

Sasaki, Yuji, Hattori, Satohiko Patent Assignee Corporate Source Hokkado Univ., Sapporo

Nippon Nogel Kagaku Kaishi (1952), Volume Date 1951-1952, 25, 381-2 CODEN: NNKKAA, ISSN: 0002-1407 Document Type

Language u. Unavailable

Abstrac

Tragistatic activity of vapors of vanous organic compds. (labor, soids, abbellydes, esters, and others) was tested against fung growing on tobacco leaves. Among these, AmOH, BaOH, valieraldehyde, variilin, 2-funablehyde (i), circonsist, and helotropin showed relatively high activities, and I was the most effective. Hit Structure

Chemical or Trade Name 6N-Dibenzo|b,d]pyran (CA INDEX NAME)



L5 ANSWER 51 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1953 41674 CAPLUS (Saldtext)

47.41674

Artiflucterial activity of some organic compounds in vitro. VI. Artiflucterial activity of diphenyl effects and related compounds on Mycobsclerium tuberculosis, Micrococcus pyogenes var. sureus, and Escherichia coli

Source Yakugaku Zasahi (1953), 73, 209-11 CODEN: YKKZAJ, ISSN 0031-6903

Journal Language Unavailable

Abstract

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 68-Dibenzo[b,d]pyran (CA INDEX NAME)



L5 ANSWER 52 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1983-12167 CAPLUS Full-lext

Document Number 47 12167

Reduction of 3.4.5,6-dibenzo(1,2-pyrone) [8-dibenzopyrone] by lithium aluminum hydride

Author Inventor Inubushi, Yasuo Patent Assignee Corporate Source Univ. Kyoto

Yakugaku Zasshi (1952), 72, 656-7 CODEN, YKKZAJ, ISSN: 0031-6903

Journal

Hit Structure

Language Unavailable

Abstract Affective (Eq.) in a small amount of all treated with 1.9 concentrated rECOA disorded with 1.9 a few0.0 with coaled with 0.4 and tileved give 2.9 g o+DCCOE+402DCH file, treated with 1.0 to 3 PrOF, headed streaty with 8 revisions of 15 cases; pour file large amount of use and recognised some of the PACA. The restated intered with 10-ALECC2 extended with the red the product on recycle of the PACA file restated in the recognised with the red the product on recycle of the PACA file restated in the PACA file recognised with the red the product on recycle of the PACA file recognised with the red the product of the red the red the red the red the product of the red the

Chemical or Trade Name 6N-Dibenzo|b,d]pyran (CA INDEX NAME)



L5 ANSWER 53 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1951 29791 CAPLUS <u>Full-levil</u> Document Number 45 29791 Stabilization of 3,4-dihydro-2H-pyran-2-carboxaldehyde

Author/Inventor

Author/Inventor
Fountain, Eugene B., Sharp, Walter H.
Patent Assignee/Corporate Source
Shell Development Co

Document Type

Patent

ent l	nformation				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2537579		19510109	US 1949-109424	19490809

Abstract An additionation of 3.4-diffyctio-214-pyrar-2-carboxaldehyde (it to minimize decomposition on storing for long paracis in the presence or labellar or abbreviat of 10-00-1-07-by weight of (CC021/C, other saturated alphanic detailboxylis cabb. sufferile ca

Hit Structure

CAS Requetry Number 229-95-0 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran (CA INDEX NAME)



L5 ANSWER 54 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number

ion Number 1950 49454 CAPLUS Full-text

44 49454

Trite Dibenzopyran manhuana-like compounds

Author/inventor

Adams, Roger Document Type

Patent Language

Unavalable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2509387		19500530	US	

Hit Struct

CAS Registry Number

hemical or Trade Name N-Dibenzo|b,d]pyran (CA INDEX NAME)



L5 ANSWER 55 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

1950/49453 CAPLUS full text
Document Number

44 49453 Title

Dibenzopyran marihuana-like compounds

Document Type Patent Larguage Unavailable Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
110 0506966		19500590	110		

For the companion and a product of the companion of the c

Hit Struct

Chemical or Trade Name 6H-Dibenzo|b,d)pyran (CA INDEX NAME)



LS ANSWER 56 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

ion Number 1950/3092 CAPLUS <u>Full-text</u>

44 3092

Trie Tetrahydrodibenzopyran derivatives isomeric with tetrahydrocannabinols

Author/Inven Avison, A. W. D., Morrison, A. L., Parkes, M. W.

Journal of the Chemical Society (1949) 952-5 CODEN JCSOA9, ISSN 0366-1769 Document Type

Journal

Language Unavalable

4.1. ACM/SDH-DM-IQ (2.2.) and 2.9. El +embyl-3-cyclohrazones-l-catboyles (II), hasded storky with 40 mt, conventioned Ind 2014 and large 1.1 in stoom temperature, give 7-hydroxy 5-methyl-6-may 3.2 in 17. ACM/SDH-DM-IQ (2.2.) and 1.2. Ellipse 1.2. Ellip Hit Structure

Chemical or Trade Name 6N-Dibenzo(b,d)pyran (CA INDEX NAME)

L5 ANSWER 57 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1900/3091 CAPLUS Full-text

Document Number 44,3091

Title Polymerization products of diketene

Steele, Arthur B.; Boese, Albert B.; Dulf, Malcolm F.

Journal of Organic Chemistry (1949), 14, 460-9 CODEN JOCEAH, ISSN 0622-3263 Document Type

Language Unavailable

Abstract Description (Abstract Description (

Chemical or Trade Name 6H-Dibenso(b,d)pyran (CA INDEX NAME)



L5 ANSWER 56 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number
1946 20831 CAPLUS <u>Full-text</u>
Document Number
40 20831

Trie Title
Disensopyran derivative having manhuana activity
Author/Inventor
Adams, Roger
Document Type

Language Unavailable

Patent Information PATENT NO. KIND DATE APPLICATION NO. DATE

GB 564027 19441016 GB 1942-4972 19420415

(Policial) soline pulsagene is condensed with in 1.3.5.CREICHOICHOR (i), where R = on shipli of 1 to 10 C storms by refusing the mintare is on many solvent in the presence of POCII in the approximation of the control Hit Structure

CAS Registry Number 229-95-8 CAPLUS

Chemical or Trade Name 6N-Dibenzo|b,d]pyran (CA INDEX NAME)



, L5 ANSWER 59 OF 59 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1948/37522 CAPLUS <u>Full-led</u>

Document Number 37:37522 Trite

Polyhydrodibenzopyran derivatives Inventor Todd, Alexander R., Ghosh, Ranajit Author In

Fatert Type
Patert Type
Patert Type
Patert Type
Patert Type

Language

ye Unavalable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 547669		19420907	GB 1941-1430	19410203

a.
The compose are prepared by the condensation of resorbinol derivs, such as prointed or olivetot, with unsatide terpenoid compose such as pulleged and pullegene. Hit Structure

CAS Registry Number

Chemical or Trade Name 6N-Diberro|b,d]pyran (CA INDEX NAME)



```
\Rightarrow logoff all L+ queries and answer sets are deleted at logoff logoff? 
 (Y)/8/HOLD:y
      (FILE 'BOME' ENTERED AT 11:10:51 ON 08 MAY 2009)
      FILE 'NEGUSTRY' SETERED AT 11:11:02 ON 08 MAY 2009
DITOUTINE UPLOADED
O STRUCTURE UPLOADED
11 SEA FILE-REGISTRY PER SAM LL
11 SEA FILE-REGISTRY PAR FOL LL
5 SEA FILE-REGISTRY FAM FOL LL
FILE 'CAPLES' ENTERED AT 11:12:43 ON 08 MAY 2009
L5 59 SEA FILE-CAPLUS SPECON ASBON PLOCON L4
COST IN U.S. DOLLARS SINCE FILE
FULL ESTIMATED COST
                                                                             ENCE FILE TOTAL
ENTRY SESSION
-47.56 -47.56
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE
STN INTERNATIONAL LOGOPP AT 11:14:59 ON OR MAY 2009
Connecting was Ninsock to STN
Welcome to STN International' Enter xxX
LOGINID:saptaakb1794
PASSNORD:
TERMINAL HENTER 1, 2, 3, OR 1):2
* * * * * * * * * * Welcome to STN International * * * * * * * * * *
1.1
        STRUCTURE UPLOADED
-> d l1
11 HAS NO AMENERS
11 STR
/ Structure 95 in file gra /
Structure attributes must be viewed using STN Express query preparation.
-> s 11 fam sam
SAMPLE SEASCH INITIATED 11:15:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE
100 0% PROCESSED 3 ITERATIONS
SEARCH TIME: 00:00:01
                                                                                                0 ANSWERS
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
PROJECTED ITERATIONS: SATCH **COMPLETE**
PROJECTED ANSWERS: 0 0 70 0
12 0 SEA FAN SAM 11
-> s 11 ses san
SAMPLE SEARCH INITIATED 11:15:26 FILE 'REGISTRY'
SAMPLE SCHEEN SEARCH COMPLETED - 259 TO ITERATE
100.0% PROCESSED 258 ITERATIONS
SEARCH TIME: 00 00.01
                                                                                              2 ANSWERS
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED INEMATIONS: 4197 TO 628
PROJECTED ANNWERS: 2 TO 124
13 2 SEA SES SAM L1
=> d scan
L3 2 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
```

Autocininate: etc. description (description) (description)

L3 2 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor 6H-Obenzo[b.r]gyran, 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]-, homopolymer (9Cl) Hit Structure

**PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT"

-> s 11 ses full FULL SEARCH INITIATED 11:15:07 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 4895 TO ITERATE

100.0% PROCESSED 4895 ITERATIONS SEARCH TIME: 00.00.01

33 SEA SSS FOL L1 24 14

L5 14 ANSWERS CAPLUS COPYRIGHT 2009 ACS on STN Title

Persulfate axidation of carboxylic acids. III. Oxidation of as-circums and biphenyl-2-carboxylic acids

L5 14 ANSWERS CAPLUS COPYRIGHT 2009 ACS on STN

Polymeric light emitting materials for thin films, light emitting devices, plane light sources, display devices, organic transistors and solar cells

-> # 14/pxep 14 L4 4773532 PREP/RL (L4 (L) PREP/RL)

-> d ibib abs bitsts 1-YOU HAVE REQUESTED DATA FROM 11 ANSWERS - CONTINUES Y/(N):y

L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2009 422639 CAPLUS Full-text

Document Number 150 427185

Polyheterogrenes, their compositions and films, organic photoelectric converters and electrolumnescent devices with their layers, and monomers for them

Polyheteroanenes, their compositions Author/Inventior Uetani, Yasunori; Noguchi, Kiminobu Patent Assignee Corporate Source Sumitomo Chemical Co., Ltd., Japan

Source

Jon Kokal Tolkkyo Koho, 51 pp. CODENI. JKCKAF

Document Type
Patert

Language

Japanese

Become Memoration

Source

nent l	nformation				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2009073808	A	20090409	JP 2008-115201	20000425

Abstract

The polynderocreases have structural reporting units represented by (R = H, alse), cliency, allythes, etc. R1 = H, alley, allewy, spt, sypac, part = argines, heterocyclylency, Z = Q, s, m, n = 2-41, preferably 1 (R, R), Act = arm as above!

Organic protected: converters, e.g., cliad cells, have layers containing! show high photodelec conversion efficiency. The photodelec converters may also use full reviews as electron acceptance.

CAS Requetry Number 18102-99-3 CAPLUS

Chemical or Trade Name 6H-Dahenselb.dloyran-6-one, 3.8-dahromo- (CA INDEX NAME)

CAS Registry Number 600013-66-3 CAPLOS

Chemical of Trade Name 68-Cibenzo(b,d)pyran, 3,8-dibroms-6,6-dioctyl- (CA INDEX NAME)

L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2009 69857 CAPLUS <u>Full-text</u>

Document Number 150 222169 Title

Application of two bromophenol compounds in preparing drugs for treating makenant tumor

Authorithmentor
Shi, Dayong, Han, Lijuri, Fan, Xiao; Xu, Feng; Liu, Quanwen
Patent Acalignes Corporate Source
Inothute of Oceanology, Chinese Academy of Sciences, Peop Rep China

Source Farring Zhuani Shenqing Gongkai Shuomingshu, 8pp CODEN CNXXEV

Language Chinese

PAT CN

TENT NO.	KIND	DATE	APPLICATION NO.	DATE
101342158	A	20090114	CN 2007-10015296	20070713

In invention provides two arithmen brompshinol compds. (i.e. 3-brome-45-brome-45-dhydrousphenyfflmithyl5-(ethouyl-1.2 diphonol and SR, 168-27-dhrome-3,8-dhydrouy-5,10-dimethouy-5,10-dhydro-berrospyramp5, 43-dodiphonolyma Hit Structure

Chemical or Trade Name
[1]Benzopyramo[5,4,3-cde][1]Benzopyram-3,8-diol,
2,7-dibross-5,10-dipetro-5,10-dimethoxy-, [58,108)- (CA IMDEX NAME)

L6 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2008/1397717 CAPLUS Full-text

Document Number 149 577440

Polymeno light emitting materials for thin films, light emitting devices, plane light sources, display devices, organic transistors and solar cells

Polymento: Syst emitting materials for train sims, Author/Inventor Noguchi, Takanobu, Suzuki, Tomoyuki Pateri Assignee/Corporate Source Surrisomo Chemical Company, Umrited, Japan

Source PCT int Appl , 76pp CODEN PIXXD2

PCT Int Ap Document Type Patent Language Japanese Patent Information

	PATENT NO.	KND	DATE	APPLICATION NO.	DATE
	WO 2008140057	A1	20081120	WO 2008-JP58664	20080509
	JP 2008308671	A	20081225	JP 2006-123576	20080509
Abotes		_			

Additional Conference on the companies of the conference of the co

CAS Registry Number 1082713-87-2 CAPLOS

Chemical on Trade Name 68-dibtomo-6,6-dioctyl-, polymer with 68-dibtomo-0,8-diptomo-6,6-dioctyl-, polymer with 68-dibtomo-0,8-dibtomo-6,8-dioctyl-, polymer with 68-dibtomo-6,8-dibtomo-6,8-dioctyl-, polymer with 68-dibtomo-6,8-dibtomo-

CRN 1082741-59-0 CMF C19 H3G B2 04

CN 2

CRN 688013-66-3 CMF C29 840 Rr2 0

CAS Registry Number 1082773-89-4 CAPLOS

Chemical or Trade Name 6H-dibtomo-6,6-dioctyl-, polymer with 6H-dibtomo(0,4)pyram, 3,8-dibtomo-6,6-dioctyl-, polymer with 2,2'-(i-phenyl-1,2-ethenediyi)bis[4,4,5,5-tetramethyl-1,3,2-dioxaborolame] (CA 1866K NBME)

CM 1

CRN 916669-80-2 CMF C20 H30 B2 04

CN

CRN 688013-66-3 CMF C29 H40 Br2 0

CAS Registry Number 1082773-91-8 CAPLOS

Chemical or Trade Name 6H-Dibenze[b,d]pyram, 3,8-dibromo-6,6-bis[d-(1,2-dimethylethyl)phenyl]-, polymer with 2,2'-(1-phenyl-1,2-ethenediyl)bis[4,4,5,5-tetramethyl-1,3,2-dioxaloroclame] (CA INDEX NAMS)

CM 1

CRM 916669-80-2 CMF 020 H30 B2 04

$$\overset{Br}{\underset{Br}{\longrightarrow}} \overset{Bu-t}{\longrightarrow}$$

CAS Requetry Number 1082773-93-0 CAFLUS

Chemical or Trade Name
68-Dibenato(h,6)gyran, 3,8-dibromo-6,6-dioctyl-, polymer with
2,7-dibromo-9,7-dioctyl-98-floorens and
2,2'=(1-phenyl-1,2-tbondiyl)bir(4,4,5,5-tetramethyl-1,3,2-dioxaborolans)
(CA IDEEX NAME)

CRS 916669-80-2 CRF C20 H30 H2 04

CN 2

CRS 688013-66-3 CMF C29 840 8c2 0

CRN 198964-46-4 CMF C29 R40 Re2

CAS Registry Number 1082773-95-2 CAPLOS

Chemical or Trade Name
68:Gibbens(), 4).9-dibromo-6,6-diootyl-, polymer with
2,7-dibromo-9,-besi (+)-hexylosy)phonyl)-98:-fluorene and
2,2-1-pentyl-1,2-etherediyl)bis(4,4,5,5-tetramethyl-1,3,2-disemborolame)
(CA.15CEX.NO.2)

CRN 1082741-59-0 CNF C19 H36 B2 04

ON 2

CRS 650994-36-4 CMF C31 N40 Rr2 02

CH 3

CRN 688013-66-3 CMF C29 840 Re2 0

CAS Registry Number 1082773-97-6 CAPLOS

Chemical or Trade Name
1,4-Bearsenediamins, NI,N4-Bearsenedennyl)-NI,NH-Bearsenediamins, NI,N4-Bearsenediamins, NI,N4-Bearsenedennyl)-NI,NH-Bearsenedennyl-N

CK

CRN 1092741-59-0 CMF C19 H36 H2 04

CN 2

CROX 688013-66-3 CMF C29 840 8e2 0

OM 3

OME 038 H38 Bt2 N2

CN 4

L6 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2005 731359 CAPLUS <u>Full-text</u>

Document Number 146 180393

Urceolatol, a tetracyclic bromobenzaldehyde dimer from Polysiphonia urceolata

Author/Inventor

Author/Inventor
Liu, Q.-W., Tan, C.-H., Zhang, T.; Zhang, S.-J., Han, L.-J., Fan, X., Zhu, D.-Y.
Patent Assignes Corporate Source
Institute of Oceanology, Chinese Academy of Sciences, Qingdao, 266071, Peop. Rep. China

Journal of Asian Natural Products Research (2006), 6(4), 379-363 CODEN: JANRFI; ISSN: 1028-6020 Document Type Journal

Language English

at Uccepted (1), a novel bromobenzaldehyde climer, together with one known bromophenol, 3-bromo-4,5-dihydroxy-benzaldehyde (2), were isolated from the red alga Polysiphonia ucceptas. The structure and absolute stereochem of 1 were elucidated to be (5R,16R)-2,7-discomo-3,8-dihydroxy-5,10-dimethoxy-1,0-dihydroxy-benzaldehyde (2), were isolated from the red alga Polysiphonia ucceptas. The structure and absolute stereochem of 1 were elucidated to be (5R,16R)-2,7-discomo-3,8-dihydroxy-5,10-dimethoxy-1,0-dihydroxy-benzaldehyde (2), were isolated from the red alga Polysiphonia ucceptas. The structure and absolute Hit Structure

CAS Registry Number 863869-74-3 CAPLOS

Chemical or Trade Name [1] Benzopyram-3,8-diol, 2,7-dibroso-5,10-dibyto-5,10-dimethoxy-, (5%,10R)- (CA INDEX NAME)

LE ANSWER 5 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2006 85771 CAPLUS FARMED DOCUMENT Number 145 124968

Polymer compound and its use in heat-resistant polymer light-emitting device

Author Intended
Kobayashi Shigeya Kobayashi, Safeshi
Patent Assigned Corporate Source
Sumitomo Chemical Company, Limited, Japan Sumitomo Chemico Company
Source
PCT Int. Appl.: 154 pp. CODEN: PIXXD2
Document Type
Patient
I onnuisage

Language Japanese Patent Information

PATENT NO. KIND DATE APPLICATION NO

WO 2006070848	A1	20060706	WO 2005-JP24011	20051221
JP 2006182920	A	20060713	JP 2004-378517	20041220
GB 2437213	A	20071017	GB 2007-14555	20051221
DE 112005003270	T5	20080410	DE 2005-112005003270	20051221
US 20080145571	A1	20080519	US 2007-722225	20070620
KR 2007090041	A	20070904	KR 2007-717119	20070725
CN 101124259	A	20080213	CN 2005-80048421	20070817

Abstract

Discount is a polyme compound characterized by contineng a structure represented by the littleway issued in any Andring B independently represent an optionally adoptated or endir in hydrocarbon mich contains no fused aromatic compound while having all lead one substitutent, the alloyals hydrocarbon may centain a heterosterio.

If the contains a substitute of the contains on fused aromatic compound while having all lead one substitutent, the alloyals hydrocarbon may centain a heterosterio.

If the contains a substitute of the contains on fused aromatic compound while having all lead one substitutent, the alloyals hydrocarbon may centain a heterosterio.

CN 1

CNN 896732-73-3 CNF C26 H26 He2

CROX 688013-66-3 CMF C29 H40 Bs2 0

L6 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2006 89991 CAPLUS <u>Ful-leat</u>

Document Number 144.172274

Polymeric compounds for thin polymer film devices Author/Inventor Ueda, Masato

Patent Assignee Corporate Source Sumitomo Chemical Company, Limited, Japan

PCT Int. Appl., 72 pp. CODEN: PIXXD2

Document Type Patent

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006011643	A1	20060202	WO 2005-JP14156	20050727
JP 2006063334	A	20060309	JP 2005-217025	20050727
DE 112005001823	Т5	20070505	DE 2005-112005001823	20050727
GB 2432837	A	20070505	GB 2007-3668	20050727
GB 2432837	В	20080820		
CN 1989169	А	20070527	CN 2005-80025103	20050727
US 20080003422	A1	20080103	US 2007-572513	20070123
KR 2007047314	A	20070504	KR 2007-704336	20070223

The parameters of the Control of the Hit Structure

CAS Registry Number 18102-99-3 CAPLOS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLOS

Chemical or Trade Name 6H-Dibenso(b,d)pyran, 1,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

L6 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2005/324209 CAPLUS Extinost

Polymer light-emitting material and polymer light-emitting device Author/Inventor
Nakatani Tomoya: Sekine, Chica, Mikami, Satoshi, Kobayashi, Satoshi
Patent Assignes Corporate Source
Sumitama Chemical Company, Limited, Japan

Source PCT Int. Appl., 111 pp. CODEN: PIXXD2

Document Type Patent

Language Japanese Patent Information

PATENT NO	KIND	DATE	APPLICATION NO	DATE

WO 2005033174	A1	20050414	WO 2004-JP14569	20040928
DE 112004001856	TS	20060727	DE 2004-112004001856	20040928
GB 2424895	A	20061011	GB 2005-8519	20040928
GB 2424895	В	20080709		
CN 1863838	A	20061115	CN 2004-80028951	20040928
JP 2005126705	A	20050519	JP 2004-286813	20040930
US 20070051922	A1	20070308	US 2006-573839	20060325
KR 2006115861	A	20061110	KR 2006-708210	20060428

Disclosed is a polymic light entiting maximal containing a pulsimar compound with number average and weight of 103 140 compound of appeting selfs or 8 and 4 critical highly entition to min the 1004 control close, wherein Disclosed is a polymic light entition in the control close and the close and the close and the control close and the close an

CAS Registry Number 18102-99-3 CAPLUS

Chemical or Trade Name 6H-Dihenzo(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 688013-72-1 CAPLUS

Chemical or Trade Name Spiro(6H-dibenzo(b,d)pyran-6,9'=[98]fluorene], 3,8-dibromo-3',6'-bis(octyloxy)- (CA INDEX NAME)

Ch8 Registry Number

Chemical or Trade Mame
Spiro(SH-dibenzo|b,d)pyran-6,9'-|9H|fluorene|,
3,8-dibenezo'i,6'-bis(ortyloxy'-, polymer with
3,8-dibenezo-6,6-dioetyl-6H-dibenzo|b,d)pyran (SCI) (CA IMBEX NAMS)

LS ANSWER'S OF 11 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2005 324147 CAPLUS Extraord 12005 2015 2016 12005 201

Aromatic compounds having condensationable functional groups useful as monomers

PCT Int. Appl , 91 pp. CODEN PXXXD2 ent.Type Patent

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
WO 2005033090	A1	20050414	WO 2004-JP15001	20041005
JP 2005132829	A	20050526	JP 2004-292337	20041005
US 20070063190	A1	20070322	US 2006-574563	20060404

72
The present invention relates to according compost 1, E. III. and IV, wherein A1, A2 — witerestent according hydrocarbon or leterarisent hereocyclic group, A2, A4, A3, A6, A7 — lifetient according hydrocarbon or their

CAS Registry Number 849693-50-1 CAPLUS

Chemical or Trade Name Phenol, 4,4'-13,8-dibromo-68-dibenzo[b,d]pyran-6-ylidene]bis- (901) (CA NDEK NAME)

Chemical or Trade Name
Methaneoulfonio acud, trifluoro-, (3,8-dibromo-68-dibenso[b,d]pyran-6ylidene[d-6,2-phmylene ester [9CI] (CA INDEX NAME)

. L6 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2004 392592 CAPLUS <u>Fulfous</u>
Document Number 140 415947

Trio

High-molecular compounds and polymer light-emitting devices made by using the same

High-molecular compounds and purpline again.

Author/inventor
Doi, Shuji, Kobeysshi, Satoshi, Noguchi, Tekanobu
Patent Assignee Corporate Source
Sumform Chemical Company, Limited, Japan

PCT Int. Appl., 131 pp. CODEN: PIXXD2

Document Type Patent

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
WO 2004039859	A1	20040513	WO 2003-JP12697	20031003
JP 2004168999	A	20040617	JP 2003-343244	20031001
AU 2003265752	A1	20040525	AU 2003-268752	20031003
EP 1571170	At	20050907	EP 2003-748697	20031003
US 20050138551	A1	20050612	US 2005-532937	20050428

The results of the private of the Pr Hit Structure

CAS Registry Number 18102-99-3 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyran-6-one, 3,8-dibenso- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLOS

Chemical of Trade Name 6H-Dimenso(b,d)pyran, 3,8-dimenso-6,6-diostyl- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 6H-Dibenzo(b,d)pyran, 3,8-dibromo-6,6-bis(3-methylbuty1)- (CA INDEX NAME)

CAS Requetry Number 688013-68-5 CAPLUS

Chemical or Trade Name 6H-Dimenso(b,d)pyram, 3,8-dimenso-6,6-diphenyl- (CA INDEX NAME)

CAS Registry Number 688013-69-6 CAPLOS

Chemical or Trade Name 68-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]- (CA INDEX NAME)

CAS Registry Number 688013-70-9 CAPLOS

Chemical or Trade Name 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(1,1-dimethylethyl)pbenyl]-(CA INCEX NAME)

CAS Registry Number 688013-71-0 CAPLOS

Chemical or Trade Name 6H-Dibenzo by djyran, 3,8-dibroso-6,6-bis(3',4',5'-trzybenyl[1,1'+2',1''-tergbenyl-6-y1)- 9721) (CA INDEX NAME)

CAS Requetry Number 688013-72-1 CAPLUS

Chemical or Trade Name Spiro[68-dibenzo[b,d]pyran-6,P'-[98]fluorene], 3,8-dibromo-3',6'-bis(octyloxy)- (CA INDEX NAME)

CAS Registry Number 688013-78-7 CAPL/08

Chemical or Trade Name 6N-0ibenze[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, homopolymer (9CI) (CA INDEX NAME)

CRE 688013-66-3 CMF C29 H40 Be2 0

CAS Registry Number

Chemical or Trade Name 6H-Ciberco[b,d]pyram, 3,8-dibromo-6,6-dioctyl-, polymer with 1,4-dibromo-2,5-bis(decyloxy)benzene (9CI) (CA INDEX NAME)

CN 1

CRN 688013-66-3 CMF C29 840 Br2 0

CN 2

CPS 152269-98-2 CNF C26 H44 Rr2 O2

CAS Registry Number 688013-80-1 CAPLUS

Chemical or Trade Name 6N-Gabrono-6,6-dioctyl=, polymer with 3,7-dibrono-6,8-dioctyl=, [901] (CA INDEX NAME)

CM

CRN 688013-66-3 CMF C29 H40 Be2 0

CM S

CRN 599212-67-6 CMF C28 H38 Br2 02 S

CAS Registry Number 688013-81-2 CAPLUS

Chemical or Trade Name 68-Dibenze(b,d)pyram, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis (octyloxy)dibenzefuram (9CI) (CA IMMEX NAME)

CM ,

CRN 688013-66-3

CMF C29 H40 Bc2 0

CN 2

CROR 599212-92-7 CMT C28 838 Re2 03

$$\begin{array}{c} \text{Br} \\ \text{Me-} \text{(CH2)} \text{ 7--O} \end{array} \\ \begin{array}{c} \text{O-} \text{(CH2)} \text{ 7--Me} \end{array}$$

CAS Registry Number 688013-83-4 CAPLOS

Chemical or Trade Mame 6H-Dihenzo[b,d]pyran, 3,8-dihromo-6,6-dioctyl-, polymer with 1,1'-(1,2-ethenediyl)bis[4-bromo-3-(decyloxylbenzene] (SCI) (CA INDEX MAME)

CM 1

CRN 688013-82-3 CMF C34 H50 Br2 O2

CN 2

CROX 688013-66-3 CRE C29 840 Be2 0

CAS Registry Number 688013-84-5 CAPLUS

Chemical or Trade Name Benzenamine, N.N-bis(d-bromophenyl)-4-(1-methylpropyl)-, polymer with 3,8-dibromo-6,6-diotyl-6H-dibenzo(b,d]pyram (SCI) (CA INDEX NAME)

CM 1

CRM 688013-66-3 CMF C29 H40 Be2 0

CK

CHR 287976-90-7 CMF C22 H21 He2 M

CAS Registry Number 688013-85-6 CAPLOS

Chemical or Trade Name 1,0-Danzendamy1)-N,N'-bis[4-betylpheny1]-, polymer with 3,8-dibcom-c,6-dioctyl-6H-dibenzo(b,d]pyran (SCI) (CA INDEX NAME)

CN 1

CROR 688013-66-3 CMF C29 840 Re2 0

CX:

CRM 312200-89-0 CMF C38 H38 Hc2 M2

CAS Registry Number 688013-85-6 CAPLUS

Chemical or Trade Name 1,6-Benzenedianine, N,M'-bis(6-bromophenyl)-N,M'-bis(6-butylphenyl)-, polymor with 3,8-dibcom-6,6-dioctyl-68-dibenzo(b,d)pyran (9CI) (CA INDEX NAME)

CM 1

CRUX 688013-66-3 CREF C29 H40 Be2 0

CM 2

CRM 312200-89-0 CMF C38 M38 Mc2 M2

Chemical or Trade Name 1,4-Benzenedianine, N.B'-bis[4-brosophenyl]-M,8'-bis[4-brotylphenyl]-,polymer with 3,7-dibroso-2,8-bis(octyloxy)dibenzothiophene and 3,8-dibroso-6,5-dioctyl-5H-dibenzo[b,d]pyran [SCI] (CA INDEX NAME)

CN 1

CMM 688013-66-3 CMM C29 M40 Mc2 0

CN 2

CRS 599212-67-6 CMF C28 H38 Bc2 C2 S

CM 3

CRN 372200-89-0 CMF C38 H38 Hc2 M2

CAS Registry Number 688013-87-8 CAPLUS

Chemical of Trade Name SH-Dihense(b,d)pyram, 3,8-dihromo-6,6-bis[4-(ootyloxy)phenyl]-, hemopolyper (SCI) (CLINDEX NAME)

CM 1

CRM 688013-69-6 CMF C41 H48 Be2 03

CAS Registry Number 688013-88-9 CAPLOS

Chraical or Trade Name | 1,6-buconophanyl|-N,N'-bis(6-butyl)phenyl|-, 1,6-buconophanyl|-N,N'-bis(6-butyl)phenyl|-, polymer with 3,8-d-bucono-6,6-bis(6-(octyloxy)phenyl]-68-dibenzo[b,d]pyram (9C1) (CA TRBEX NAME)

CN 1

CRN 688013-69-6 CMF C41 H48 Hr2 03

CN 2

CRM 372200-89-0 CMF C38 H38 Hs2 M2

CAS Registry Number 688013-89-0 CAPLUS

Chemical or Trade Name 6H-Dikenso b, djpyran, 3,8-dikromo-6,6-bis(2,4',5'-triphenyl[1,1';2',1''-terphenyl[-0-yi)-, bonopolyner (9CI) (CA INDEX NAME)

CSC

CRN 688013-71-0 CMF C85 H56 Hs2 0

CAS Registry Number 688013-90-3 CAPLOS

Chemical or Trade Name Spiro(Sm-dibenzo(b,e)pyran-6,9'-[9H]fluorene], 3,6-dibrono-3',6'-bis(obtylomy)-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 688613-72-1 CMF C41 846 8c2 03

```
L6 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN
   Accession Number
1979 540744 CAPLUS Fid-text
 Document Number
91.140744
   Title
                     Synthesis of 2,7-disubstituted 5,10-disxo-4,5,9,10-tetrahydro-4,9-dioxopyremes
Sytthean or ....
Author Inventor
Migachev, G. I.
Panert Regigner Corporate Source
Nauchno-Issled, Inst. Plast Mass , Moscow, USSR
Nauchno-Issled, Inst. Plast Mass , Moscow, USSR
                   Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im D. I. Mendeleeva (1979), 24(3), 307-8 CODEN. ZVKOA6, ISSN: 0373-0247
 Language
Russian
 Additional Moderation Additional 
                     Chemical or Trade Name [1]Benzopyran-5,10-dione, 2,7-dibromo- (9CI) (CA TREE NAME)
                                                                                                                                                          Br
   L8 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN
Accession Number
1968 104896 CAPLUS Fulflest
   Document Number
                     65 104596
   Title
                     Persulfate oxidation of carboxylic acids. III. Oxidation of cis-cinnamic and biphenyl-2-carboxylic acids
 Persulfate codesion or districtives social or Control of the Control of 
 Journal of the Chemical Society [Section] C. Organic (1966), (7), 842-6 CODEN, JSOOAX, ISSN: 0022-4952 Document Type
 Language
English
                     3. A Sentocourarins were obtained by critistive cyclostron of biphreny(2-carbosylic acids. The parent bencocouramin was also formed by critistion of 2-substituted acids with elimination of the substituted (COM, NOZ, and COM) and in law yeld Me and CI but 2-bents)(phriny(2-carbosylic acid gave 5-bency)(-14-bents)couramin and 2-cyanoophers(2-carbosylic acid yeld formers and phrinting in the carbosylic acid yeld for some acid of acid formers and phrinting in the carbosylic acid yeld of acid formers and phrinting in the carbosylic acid yeld for some acid formers and phrinting in the carbosylic acid yeld for some acid for some acid formers and phrinting in the carbosylic acid for some acid formers.
   Hit Structure
                     CAS Registry Numbe
18102-99-3 CAPLUS
                     Chemical or Trade Name
6H-Dibenzo[b,d]pygan-6-one, 3,8-dibromo- (CA INDEX NAME)
                                                                                                                                                          Br
 e>
Connecting via Winsock to STM
   Welcome to STN International! Enter x:X
 LOGINID:##PTNAKB1794
   PASSNORD:
TERMINAL (ENTER 1, 2, 3, OR 7):2
   * * * * * * * * * * Welcome to STN International * * * * * * * * * *
                   STRUCTURE UPLOADED
```

=> d 11 11 HAS NO AMENERS

L1 STR / Structure 171 in file .gra /

Structure attributes must be viewed using STM Express query preparation

-> s 11 mms mass. 100 0% PROCESSED 63 ITERATIONS SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ORGINE **COMPLETE**
PROJECTED ITERATIONS: 784 TO 1736
PROJECTED ADMNESS: 3 TO 163

1.2 3 SEA SSS SAM L1

Br
$$O=(CH_2)$$
 $\gamma=Me$ $Me=(CH_2)$ $\gamma=0$

""PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT""

L2 3 ANSIVERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Investor 8H-Oberaciju/jbyran, 3,8 dicromo-6,8-diotyk, polymer with 2,2-(1-pentyl-1,2-ethenody/(biol/4,4,5,5-letramethyl-1,3,2-dio.usborclass)

CM 2

. L2 3 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author-Inventor 6-Phononthricinsmine, 3,8-dibromo-N-(2-chloroethyl)-Hit Structure

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL AMENUERS HAVE BEEN SCANNED

STRUCTURE UPLOADED

-> d soan LJ HAS NO ANSWERS

-> d 13 13 MAS NO ASSNEAS 13 STR / Structure 176 in file .gra /

Structure attributes must be viewed using STN Express query preparation.

-> s 13 ses sam SAMPLE SCHEEN SEARCH COMPLETED - 13 TO ITERATE SAMPLE SCHEEN SEARCH COMPLETED - 13 TO ITERATE

100 0% PROCESSED 13 ITERATIONS SEARCH TIME: 00-00-01

FULL FILE PROJECTIONS: CMLINE **COMPLETE**
PROJECTED ITERATIONS: R4 TO 476
PROJECTED ANNHERS: 2 TO 124

14 2 SEA SSS SAM L3

L4 2 ANSIVERS REQISTRY COPYRIGHT 2009 ACS on STN Author/Investor 8H-CDevzojo_Djoyan , 3.6 discome 6.6-doctyl-, polymer with 2.2-(1-p-rely-1-2-eth-medy/bos[4.4.5,5-le/samethyl-1,3.2-dio.xibbox/lase] Hri Structure

2 ANSWERS

. L4 2 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor 6H-Dicerco[b d]pyran 3,8 disromo-6,6-bis[4-(acyloxy)phonyl]-, homopolymer (HCl) Hit Structure

**PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT" ALL ANSWERS HAVE BEEN SCANNED

-> s 13 see full FULL SEARCH INITIATED 12:48:43 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 349 TO ITERATE

100 0% PROCESSED 349 ITERATIONS SEARCH TIME: 00.00:01

39 SEA SSS FUL L3

=> m 15 and [pye=2004 or sye=2004 or prye=2004)
10 13
25.10(22) Fre=2004
128010 Are=2004
480555 Fre=2004 or Are=2004 or RYe=2004)
10 10 AND (FYe=2004 or Are=2004 or RYe=2004)

-> s 16/prep QUALIFICATION NOT VALID FOR NUMBRIC DATA 'PY/PREP' Numeric data cannot be field qualified

⇒ z 15/prep and (pye-2004 or aye-2004 or prye-2004)

27155 FREF/RL

27156 FREF/RL

10157/FREP

10157/

 *0 d ibib abs bitstr 1- * YOU HAVE REQUESTED DATA FROM 9 ANSMERS - CONTINUE? Y/(N):y

L7 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2008/656771 CAPLUS <u>EUL922</u>

2008 83-07 71 Document Number 145 124968

Polymer compound and its use in heat-resistant polymer light-emitting device Author/Inventor
Kobayashi, Shigeya, Kobayashi, Satoshi
Patent Assigne Corporate Source
Sumitoms Chemical Company, Limited, Japan

Source PCT Int. Appl., 154 pp. CODEN. PIXXD2

Document Type Patent

PA	TENT NO.	KIND	DATE	APPLICATION NO.	DATE
wo	2006070848	A1	20060706	WO 2005-JP24011	20051221
JР	2006192920	A	20060713	JP 2004-378517	20041228
αв	2437213	A	20071017	GB 2007-14555	20051221
DE	112005003270	75	20080410	DE 2005-112005003270	20051221
us	20060145571	A1	20080619	US 2007-722225	20070620
KR	2007090041	A	20070904	XR 2007-717119	20070725
CN	101124259	A	20080213	CN 2005-80048421	20070817

Distinct is a polymer compound chroaterised by containing a standard represented by the labeling behavior behavior in a finite bid and ring till independent in optionals and abundant anomalic hydrocarbon mixed contained anomalic hydrocarbon mixed contained no based arounds compound while howing all least one substituent, the aboyet hydrocarbon mixed contained no based arounds compound while howing all least one substituent, the aboyet hydrocarbon mixed contained no based arounds compound while howing all least one substituent, the aboyet hydrocarbon mixed contained no based arounds compound while howing all least one substituent, the aboyet hydrocarbon mixed contained no based arounds compound while howing all least one substituent, the aboyet hydrocarbon mixed contained no based arounds compound while how he had not a substituent of the substitution of

CAS Registry Number 896732-77-7 CAPLOS

Chemical or Trade Name 6H-Dikenselb.djpyran, 3,8-dikrems-5,6-disetyl-, polymer with 5,9-dikrems-3,3',5',5'-tetramethylapuro[7s-benso[e]fluorens-7,1'-cyclobrane] (PCI) (CA INDEX NAME)

CM 1

CN 2

CEGR 688013-66-3 CMG CZ9 E40 Rc2 0

L7 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN

L7 ANSWER 2 OF 5 OF EACH ACCESSION Number 2005 99991 CAPLUS Full-text Document Number 144.172274

Polymeric compounds for thin polymer film devices Author/Inventor Ueda, Masato

Patent Assignee Corporate Source Sumitomo Chemical Company, Limited, Japan

PCT Int. Apol., 72 pp. CODEN: PIXXD2

TSTION				
TENT NO.	KIND	DATE	APPLICATION NO.	DATE
2006011643	A1	20060202	WO 2005-JP14154	20050727
2006063336	A	20060309	JP 2005-217025	20050727
112005001823	75	20070606	DE 2005-112005001823	20050727
2432937	A	20070606	GB 2007-3688	20050727
2432837	В	20080820		
1989169	A	20070627	CM 2005-R0025103	20050727
20050003422	A1	20080103	US 2007-572513	20070123
2007047314	A	20070504	XX 2007-704336	20070223
	TENT NO. 2004011443 2004063334 112005001823 2432837 2432837 1989149 20080003422	TENT NO. KIND 2006011643 A1 2006063334 A 112005001823 T5 2432837 A 2432837 B 1989169 A 20080003422 A1	TENT NO NND DATE 200401143 A1 20040222 2004043134 A 20040329 112005001923 T5 20070646 2432897 A 20070642 2432897 B 2000000 1999149 A 20070427 20050009422 A1 20000103	MPCATTOK NO. DATE MPCATTOK NO.

The paragramment of the Color of Color Hit Structure

Chemical or Trade Name 6H-Dibenso|b,d]pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 6N-Dibenzo|b,d]pyran, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

L7 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2005/324209 CAPLUS <u>PUP-rest</u>

Document Number 142:374970

Polymer light-emitting material and polymer light-emitting device

Author Immerter
Nakatani Tomoya; Sekine Chicu, Mikami, Satoshi, Kebayashi, Satoshi
Patent Assigna Corporate Seurce
Sumitomo Chemical Company, Limited, Japan

Source PCT Int. Appl., 111 pp. CODEN: PIXXD2

PG 1 s... Document Type Patent

Language Japanese Patent Information

PATENT NO	KIND	DATE	APPLICATION NO	DATE	

WO 2005033174	A1	20050414	WO 2004-JP14569	20040928
DE 112004001856	75	20060727	DE 2004-112004001856	20040928
GB 2424895	A	20061011	GB 2006-8519	20040928
GB 2424895	В	20080709		
CN 1863838	λ	20061115	CN 2004-80029951	20040928
JP 2005126705	A	20050519	JP 2004-286813	20040930
us 20070051922	A1	20070308	US 2006-573839	20060329
ER 2006115861		20061110	12 2006-701210	20060420

Abstract
Decision is golden eight emitting motival contenting a polarite compound with market encourage in wages it is price compound a consistent of a real scaled and price contenting in the content of the content o

CAS Registry Number 18102-99-3 CAFLOS

Chemical or Trade Name 6H-Dihenzo(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLUS

Chemical or Trade Name 63-Dibenso b, 6)pyram, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 688013-72-1 CAPLOS

Chemical or Trade Name Spiro[6H-dibenzo|b,d]pyran-6,9'-[9H]fluorene], 3,8-dibenzoo-3',6'-bis[ontyloxy)- (CA INDEX NAME)

CAS Registry Mumber

Chemical or Trade Mame

Spiro(6H-dibenzo[b,d]pyran-6,9'-|98]fluoreee],
3,8-dibrono-7,6'-bis [ontylosy)-, polymer with
3,8-dibrono-6,6-diontyl-6H-dibenzo[b,d]pyran (9CI) (CA IMERX NAME)

LT ANSWER 4 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2005 324147 CAPLUS ENLINES 1005 2014 (2005 2014 CAPLUS ENLINES) 142 392812

Aromatic compounds having condensationable functional groups useful as monomers

PCT Int. Appl., 91 pp. CODEN PIXXD2 sument Type Patent

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033090	Al	20050616	WO 2004-JP15001	20041005
JP 2005132829	A	20050526	JP 2004-292337	20041005
US 20070063190	A1	20070322	US 2006-574563	20060404

CAS Requetry Number 849693-50-1 CAPLUS

Chemical or Trade Name Phenol, 4, 4'=13,8-dihcomo-6H-dihenzo(b,d)pyran-6-ylidene)bim- (9CI) (CA NDEX NAME)

$$\underset{\mathsf{Br}}{\mathsf{Br}} \circ_{\mathsf{H}}$$

CAS Registry Number 849693-51-2 CAPLOS

Chemical or Trade Name
Methaneoulfonio acud, trifluoro-, (3,8-dibromo-68-dibenso[b,d]pyran-6ylidene[d-6,2-phmylene ester [9CI] (CA INDEX NAME)

L7 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2004 992802 CAPLUS Full-text Document Number 140 415047

Trito

High-molecular compounds and polymer light-emitting devices made by using the same

High-molecular compounds and purpline again.

Author/inventor
Doi, Shuji, Kobeysshi, Satoshi, Noguchi, Tekanobu
Patent Assignee Corporate Source
Sumform Chemical Company, Limited, Japan

PCT Int. Appl., 131 pp. CODEN: PIXXD0

Document Type Patent

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NO 2004039859	A1	20040513	WO 2003-JP12697	20031003
JP 2004168999	A	20040617	JP 2003-343244	20031001
AU 2003268752	A1	20040525	AU 2003-260752	20031003
EP 1571170	A1	20050907	ED 2003-748697	20031003
US 20080138651	A1	20080612	US 2005-532937	20050429

The control result is in Sphroid common processing use to prevent by the quantification of a not honory parties result and 1.0 to 6 in the control result of the control result

Hrt Structure

CAS Registry Number 18102-99-3 CAPLUS

Chemical or Trade Name 6H-Dikenso(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLUS

Chemical or Trade Name 6H-Dibenzo[b,d]pyran, 1,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 6H-Dibenzo(b,d)pyran, 3,8-dibromo-6,6-bis(3-methylbuty1)- (CA INDEX NAME)

CAS Requetry Number 688013-68-5 CAPLUS

Chemical or Trade Name 6H-Cibenzo(b,d)pyran, 3,8-dibromo-6,6-diphenyl- (CA INDEX NAME)

CAS Registry Number 688013-69-6 CAPLOS

Chemical or Trade Name 6H-Ditenso[b,d]pyran, 3,8-dibromo-6,6-bis[4-(ostyloxy)phenyl]- (CA INDEX NAME)

Br
$$O-(CH_2)$$
 $\gamma-Me$ $Me-(CH_2)$ $\gamma-0$

CAS Registry Number 688013-70-9 CAPLOS

Chemical or Trade Name 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(1,1-dimethylethyl)pbenyl]-(CA INCEX NAME)

CAS Registry Number 688013-72-0 CAPLOS

Chemical or Trade Name 6H-Dibenze(b,d)pyram, 3,8-dibroma-5,6-bis(3',4',5'-tripbenyl[1,1':2',1''-terpbenyl]-0-yl)- (GA INDEX NAME)

CAS Requetry Number 688013-72-1 CAPLUS

Chemical or Trade Name Spiro[68-dibenzo[b,d]pyran-6,P'-[98]fluorene], 3,8-dibromo-1',6'-bis(octyloxy)- (CA INDEX NAME)

CAS Registry Number 688013-77-6 CAPL/08

Chemical or Trade Name 6(5%)-Financhizidinone, 3,8-dibromo-5-octyl- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 68-Gibenro(b,d]pyram, 3,8-dibromo-6,6-dioctyl-, homopolymer (9CI) (CA INDEX NAME)

CM.

CRN 688013-66-3 CMF C29 840 Re2 0

CAS Registry Number 688013-19-8 CAFLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyran, 3,8-dibrono-6,6-dioctyl-, polymer with 1,4-dibrono-2,5-bis(decyloxy)benzene (9CI) (CA INDEX NAME)

CM.

CRN 688013-66-3 CNF CZ9 H40 Br2 0

CX 2

CRN 152269-98-2 CMF C26 H44 BE2 02

CAS Registry Number 688013-80-1 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyram, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-6,8-bis (otyloxy)dibensobliopheme (9CI) (CM INDEX NAME)

ray.

CRN 688013-66-3 CMF C29 H40 Br2 0

CN 2

CROR 599212-67-6 CMF C28 H39 Hr2 02 8

$$\begin{array}{c} \text{Br} \\ \text{Me- (CH2) 7-0} \end{array} \\ \begin{array}{c} \text{S} \\ \text{O- (CH2) 7-Me} \end{array}$$

CAS Registry Number

Chemical or Trade Name 6H-Giberro(b,d]pyram, 3,8-dibrown-6,6-dioctyl-, polymer with 3,7-dibrown-2,8-bis(octyloxyldzbenzofuram (9CI) (CA INDEX NAME)

CM

CRN 688013-66-3 CMF C29 R40 Re2 O

CM 2

CRS 599212-92-7 CMF C28 H38 Br2 03

CAS Registry Number 688013-83-4 CAPLUS

Chemical or Trade Name
68-Dibenso(b,d)pyran, 3.0-dibrono-6,6-dioctyl-, polymer with
1,1'=(1,2-ethecadlyl)bis[4-bcoso-3-(deryloxy)benses] (SCI) (CA INDEX
NAME)

CM ,

CRS 688013-82-3 CMF C34 H50 Rc2 02

CM 2

CRN 688013-66-3 CMF C29 840 Re2 0

CAS Registry Number 688013-84-5 CAPLOS

Chemical or Trade Name Benzenamine, N,Nebis(4-bromophenyl)=4-(1-methylpropyl)=, polymer with 3,8-dibromo-6,6-diostyl-6N-dibromo(b,d)pyram (NCI) (CA INDEX NAME)

CM

CRS 688013-66-3 CMF C29 H40 Br2 0

ON 2

CRS 281976-94-7 CMF C22 H21 Rr2 N

CAS Registry Number 688013-85-6 CAPLOS

Chemical or Trade Name 1,4-Benzenebenyll-N,8'-bis(4-butylphenyll-, polymer with 3,8-dibcom-6,6-dioctyl-68-dibenzo(b,d)pyran (9CI) (CA INDEX NAME)

Br

CM 1

CRN 688013-66-3 CMF C29 840 8e2 0

CN 2

CRM 372200-89-0 CMF C38 H38 He2 N2

CAS Registry Number 688013-85-6 CAPLOS

Chemical or Trade Name
1,4-Denzemediasine, %,N*-bis(4-bcomopheny1)-N,B*-bis(4-buty1pheny1)-,
polymer with 3,5-dibcomo-5,6-diosty2-6N-dibenbo(b,4)pyram (9C1) (CA INDEX
NAME)

CM 1

CRM 688013-66-3 CRF 029 840 Br2 0

CN 2

CRS 372200-89-0 CMF C38 H38 Hr2 N2

CAS Registry Number 688013-86-7 CAPLOS

Chemical or Trade Name 1, 6-Benzenedianine, N.N'-bis(6-bromophenyl)-N.N'-bis(6-butylphenyl)-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzenthiophene and 3,8-dibromo-6,6-dioctyl-69-dibenzo(b,d)pyran (SCI) (CA DDEE NAME)

ON 1

CRS 688013-66-3 CRF C29 840 8e2 0

CN 2

CRUS 599212-67-6 CMF C28 H38 Hc2 C2 S

CN 3

CRN 372200-89-0 CNF C38 N38 Ne2 N2

CAS Registry Number 688013-87-8 CAPLUS

Chemical or Trade Name

6H-Dihenzo(b,d]pyran, 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]-, homopolymer (9CI) (CA INDEX NAMS)

ON 1

CRM 688013-69-6 CMF C41 H48 He2 03

CAS Requetry Number 688013-88-9 CAPLUS

Chemical or Trade Name 1,5-Benzemedianine, N.B'-bis(6-becombenyl)-N.B'-bis(6-betylphenyl)-, polymer with 3,5-dibrano-6,6-bis(6-loctyloxy)phenyl)-68-dibrano(b,d)pyran (901) (CA INDEX NAME)

CN 1

CMS 688013-69-6 CMF C41 H48 Be2 03

CX 2

CRS 372200-89-0 CMF C38 H38 Be2 M2

CAS Registry Number 688013-89-0 CAPLOS

Chemical or Trade Name 6H-Dibenso by dyparm, 3,8-dibrono-6,6-bis (3',6',5'-tripbenyl[1,1':2',1''-terpbenyl[-9-yi)-, bosopolymer [9CI] (CA INDEX NAME)

CM

CRN 688013-71-0 CMF CB5 856 Bc2 0

CAS Registry Number 688013-90-3 CAPLOS

Chemical or Trade Name Spiro(Sm-dibenzo(b,e)pyran-6,9'-[9H]fluorene], 3,6-dibrono-3',6'-bis(obtylomy)-, homopolymer (9CI) (CA INDEX NAME)

CN 1

CRN 688613-72-1 CMF C41 846 8c2 03

L7 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1980 110888 CAPLUS Full-team Document Number

92 110555

Studies of phenanthridinone and tetrahydrodiazapyrene 2. Synthesis of 2,7 diamino 5,10 diaxo 4,5,9,10 tetrahydro 4,9- diazapyrene and its derivatives

Khimiya Geterotsiklichesikih Scedinerii (1979.). (12). 1672-7 CODEN KGSSAO ISSN 0453-8234

Language Russian

Description of any limit by Conference of the Co

Checical or Trade Name Pyrido(2,3,4,5-lmg)phenenthridine-5,10-diome, 2,7-dibrone-4,9-dibrdro-4,9-dibrdroay- (CA INDEX NAME)

L7 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1979:540744 CAPLUS EXERCIT

Document Number 91 140744

Synthesis of 2,7-disubstituted 5,10-diexo-4,5,9,10-tetrahydro-4,9-diexopyrenes

Author/inventor

Author/Inventor
Migachev, G. I.
Patent Assignee Corporate Source
Nauchno-Issied, Inst. Plast, Mass., Moscow, USSR

Source Zhumal Vsesoyuznogo Khimicheskogo Obshchestva im D. I. Mendeleeva (1979), 24(3), 307-6 CODEN: ZVKOM5, ISSN: 0373-0247 ent Type

Language Bussian

CAS Registry Number 71540-29-9 CAPLUS

Chemical or Trade Name
[1]Benzopyrano[5,4,3-ode][1]benzopyran-5,10-dione, 2,7-dibromo- (901) (CAINDEN NAME)

LT ANSWER 8 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1972;539956 CAPLUS <u>Futbox</u>s

Document Number 77 139956

Facile synthesis of 2,3-dihydromidaze-and 1,2,3,4-tetrahydropyrmido[1,2-flphenanthridines

Author/Inventor Pan Hsi-Lung: Fletcher T. Lloyd

Patent Assignee Corporate Source Sch Med Univ Washington, Seattle, WA, USA

Journal of Heterocyclic Chemistry (1972), 9(4), 859-64 CODEN JHTCAD, ISSN 0622-152X Document Type -lournal

Language English

Then 6-C physiosynthylamon 6-D physiopyrogicanes, or 8-P L flydroughady amenybacenthrolines, disabled or accentiated ECDD, were based with missipaction and a 6-P bent disabled with CD and booked with a contraction of the CD and booked and the CD and the

Hit Structure

CAS Registry Number 37992-13-5 CAPLOS

Chemical or Trade Name Imidato[1,2-f]phanenthridine, 6,21-dibromo-2,3-dibydro- (CA INDEX NAME)

CAS Requetry Number 37994-68-6 CAPLUS

Chunical or Trade Mane Imidaco[1,2-f]phenanthridine, 6,21-dibrono-2-ethyl-2,3-dibydro (CA INDEX

CAS Requetry Number 38181-11-2 CAPLUS

Chemical or Trade Name 2R-Pyrimido[1,2-f]phenenthridine, 7,12-dibromo-3,6-dibydro-, hydrobromide (1:1) (CA TNDEX NAME)



HBr

L7 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1968 104896 CAPLUS Full 2005

Document Number 65 104596

Title Persulfate oxidation of carboxylic acids. III. Oxidation of cis-cirmamic and biphenyl-2-carboxylic acids

Perufitie oxidation Journal of the Chemical Society [Section] C. Organic (1968), (7), 842-8 CODEN JSOOAX; ISSN 0022-4652

Document Type Journal Language English

Abstract

3.4 Secretoriaries were obtained by existine of phenomena of the phenomena of the present bencomman was due formed by existine of 2 existinated adult with infimition of the subtillated about with infimition of the subtillated about with infimition of the subtillated (20%, INC) and Color for the law and law an

AS Registry Number

Chemical or Trade Mame GH-Dibenco(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

LS STRUCTURE UPLOADED

-> d 18 18 HAS NO AMENERS 18 STR / Structure 236 in file .gra /

Structure attributes must be viewed using STN Express query preparation

 \rightarrow = 18 mms mass sample schem search completed - = 2816 to iterate sample schem search completed - = 2816 to iterate

19:54 PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00:00.01

FROJECTED ARREAS: CREINE **COMPLETE**
PROJECTED ITERATIONS: 47312 TO 59328
PROJECTED ARREAS: 4 TO 234

4 SEA SSS SAM LG => d scan

LE 4 ANSWERS REGISTRY COPYRight 2009 ACS on STN Authorities to 2004 (a) 1.2 decided and the control collection of the collection of the

CM 2

Ls 4 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author Investor Institute (2-Sphenanfridine, 6,11-dcNore-2-ethyl-2,2-dhydro-Hofbrochae



PROPERTY DATA AVAILABLE IN THE 'BROD' FORMAT

L9 - 4 ANSWERS - REGISTRY COPYRIGHT 2009 ACS on STN Authoritemetic accords glyran 3.8 dicromo-6.6 bagl-(-c.g/toxylghenyl), homopolymor (RCI) HS Structure CX :

Br
$$O=(CH_2)$$
 $\gamma=Me$ $Me=(CH_2)$ $\gamma=0$

"*PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT""

. L9 4 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN Author/Inventor INDEX NAME NOT YET ASSIGNED Hit Structure

Menh— S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

-> d 18 mmg full FULL SEARCH INITIATED 13:05:44 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 49870 TO ITERATE

100 0% PROCESSED 49870 ITERATIONS SEARCH TING: 00 00 01

110 79 8EA 888 PUL L8

--> s 110 and (pye-2004 or aye-2004 or prye-2004)
23 312
23 32
23 32
23 32
23 32
23 32
24 25 25
24 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25 25
25 25

-> a 110/prep and type=2004 or sype=2004 or prye=2004)

977556 FREFAL

1 10/prep PREP/RG1

2140/21 FREFAL

2140/21 FREFAL

112070 AFE-2004

112070 AFE-2004

1121/7182 AND (FFE-2004 OR AFE-2004 OR FREF-2004)

-> d ibib abs hitstr 1-YOU HAVE REQUESTED DATA FROM 12 ANSWESS - CONTINUES Y/ONLY

L12 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2006 85771 CAPLUS E41-94.8 Document Number 145 124965

Trie

Polymer compound and its use in heat-resistant polymer light-emitting device

Source PCT Int Appl , 154 pp. CODEN: PIXXDE

Language Japanese Patent Information

ens.	information				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	WO 2006070848	A1	20060706	WO 2005-JP24011	20051221
	JP 2006182920	A	20060713	JP 2004-378517	20041228
	GB 2437213	A	20071017	GB 2007-14555	20051221
	DE 112005003270	75	20080410	DE 2005-112005003270	20051221
	US 20090145571	A1	20080619	US 2007-722225	20070620
	KR 2007090041	A	20070904	KR 2007-717119	20070725
	CN 101124259	A	20080213	CN 2005-80048421	20070817

Disclosed is a polymer compound characterized by containing a structure represented by the following behavial it simp. A and sing. B independently expresent an aptivative build aromatic hydrocarbon ring, and ring. C represents an alloyolic hydrocarbon which contains no fused aromatic compound while having all least one substituters, the alloyolic hydrocarbon may contain a harterestion).

Iff Shouture

TO ANSWERS

Chemical or Trade Mame 6H-Observed, 6-dioctyl=, polymer with 5,9-dibromo-3,3',5',5'-detrample; polymer with 5,9-dibromo-3,3',5',5'-detrample; projection of fluorece-7,1'-cyclobrame (9C1) (CA INDEX MOME)

CRS: 896732-73-3 CMF C26 H26 Br2

CRN 688013-66-3 CMF G29 H40 Br2 O

L12 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2008 99991 CAPLUS Fig. lect Document Number 144 172274

Polymeric compounds for thin polymer film devices

Author/Inventor Ueda, Masato

Patent Assignee Corporate Source Sumitomo Chemical Company, Limited, Japan Source PCT Int. Appl., 72 pp. CODEN PIXXD2

Document Type Patent

Language

Patent	Information

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
WO 2006011643	A1	20060202	WO 2005-JP14156	20050727
JP 2006063334	A	20060309	JP 2005-217025	20050727
DE 112005001023	75	20070606	DE 2005-112005001823	20050727
GB 2432937	A	20070606	GB 2007-3688	20050727
GB 2432637	В	20060620		
CN 1989169	A	20070627	CN 2005-80025103	20050727
US 20050003422	A1	20060103	US 2007-572513	20070123
KR 2007047314	A	20070504	XX 2007-704336	20070223

Accessed Accessed and Control of the Control of the

CAS Requetry Number 18102-99-3 CAPLOS

Chemical or Trade Name 68-Cibenzo(b,d)pyram-6-com, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLOS

Chemical or Trade Name 6H-Dibenzo|b,d]pyran, 3,8-dibromo-6,6-dioetyl- (CA INDEX NAME)

. L12 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 2005 324209 CAPLUS FLM-985

142:374970

Polymer light-emitting material and polymer light-emitting device

Author Inventor
Nakatani, Tomoya, Sekine, Chizu, Mikame, Saloshi, Kobayashi, Saloshi
Patent Assignee Corporate Source
Sumtomo Chemical Company, Limited, Japan

Source PCT Int, Appl., 111 pp, CODEN, PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033174	A1	20050414	WO 2004-JP14569	20040928
DE 112004001856	15	20060727	DE 2004-112004001856	20040929
GB 2424895	A	20061011	GB 2006-8519	20040929
GB 2424895	В	20080709		
CN 1863838	A	20061115	CN 2004-80028951	20040928
JP 2005126705	A	20050519	JP 2004-286813	20040930
US 20070051922	A1	20070304	US 2006-573939	20060329
KR 2006115861		20061110	ER 2006-708210	20060428

Class of the System System Common or adjustment of the System Sys

CAS Registry Number 18102-99-3 CAPLUS

Chemical or Trade Mane 6H-Dibenzo|b,d]pyran-5-one, 3,8-dibromo- (CA INDEX NAME)

CAS Registry Number 688013-66-3 CAPLUS

Chemical or Trade Name 6H-Dikenso(b,d)pyran, 3,8-dikromo-6,6-diostyl- (CA INDEX NAME)

CAS Registry Number 688013-72-1 CAPLUS

Chemical or Trade Name Spiro[6K-dibenzo[b,d]pyran-6,9'-[9K]fluorene], 3,8-dibenzo=3',6'-bis(octyloxy)- (CA INDEX NAME)

CAS Registry Number 849693-56-7 CAPLUS

Chemical or Trade Name Spiro(68-dibenzo[b,d]pynn-6,9'-[98]fluorene], 3,8-dibromo-3',6'-bis[ostylosy)-, polymer with 3,8-dibromo-6',6-diotyl-68-dibenzo[b,d]pyrns [SCI] (CA INDEX NAME)

CEGN 688013-72-1 CMF C41 846 Br2 03

CRS 688013-66-3 CMF C29 840 Bc2 O

L12 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN cossion Number 2005 324147 CAPLUS Full-text

Document Number 142 392512

Aromatic compounds having condensationable functional groups useful as monomers

Author/Inventor

Kobayashi, Satoshi, Mikami, Satoshi
Patent Assignee Corporate Source
Sumforto Chemical Company, Limited, Japan

Source PCT Int. Appl., 91 pp. CODEN. PIXXD2 Document Type Patent Language Japanese

Potent I	ntormation	_		_	
	PATENT NO	KIND	DATE	APPLICATION NO.	DATE
	WO 2005033090	A1	20050414	WO 2004-JP15001	20041005
	JP 2005132829	A	20050526	JP 2004-292337	20041005

US 20070063190 A1 20070322 US 2006-574563 20060404

CAS Registry Number 849693-50-1 CAPLUS

CAS Registry Number 849693-51-2 CAPLUS

Chemical or Trade Name Methanesulfonic acid, trifluoro-, (3,8-dibromo-68-dibenzo[b,d]pyran-6ylidens[di-4]-phenyleme ester (9C1) (CA INDEX NAME)

L12 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 2004 392502 CAPLUS FL6-3eye

Document Number 140:415047

High-molecular compounds and polymer light-emitting devices made by using the same

High-molecular compourus ass. p., Author/Inventor Doi, Shuji; Kobayschi, Satoshi; Noguchi, Takanobu Panert Acsignae/Corporate Source Sumitomo Chemical Company, Limited, Japan

PCT Int. Appl., 131 pp. CODEN: PIXXD2

PAT	TENT NO.	KIND	DATE	APPLICATION NO.	DATE
	2004039859	A1	20040513	WO 2003-JP12697	20031003
		A1			
ъ	2004148999	A	20040617	JP 2003-343244	20031001
λU	2003268752	A1	20040525	NJ 2003-268752	20031003
EP	1571170	A1	20050907	EP 2003-748697	20031003
US	20040138651	81	20080612	US 2005-532937	20050428

The companion of the in a function control con

CAS Registry Number 18102-99-3 CAPLUS

Chemical or Trade Name 6H-Dihenso(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

Chemical or Trade Name 68-Cibenze(b,d)pyran, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 688013-67-6 CAPLOS

Chemical or Trade Name 6H-Disense(b,d)pyram, 3,8-dibrowe-6,6-bis(3-methylbutyl)- (CA INDEX NAME)

Chemical of Trade Name 68-Dibenza|b,djpyran, 3,8-dibromo-6,6-diphenyl- (CA INDEX NAME)

CAS Registry Number 608013-69-6 CAPLOS

Chemical or Trade Mane 6H-Gibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(octyloxy)pbsmyl]- (CA INDEX NAME)

CAS Requetry Number 688013-10-9 CAPLUS

Chemical or Trade Name 6H-Dibenso[b,d]pyran, 3,0-dibromo-6,6-bis[4-(1,1-dimethylethyl)pbenyl]-(CA_INDEX_NAME)

CAS Registry Number 688013-71-0 CAPLOS

Chemical or Trade Mame 6H-Olberno-6,6-bim(3',6',5'-tripbenyl[1,1':2',1'-terpbenyl-4-1): [CA INDEX NAME]

CAS Registry Number 688013-72-1 CAPLOS

Chemical or Trade Name Spiro[68-dibenzo[b,d]pyran-6,9*-[98]fluorene], 3,8-dibromo-3*,6*-bis[ostyloxy)- (CA INDEX NAME)

CAS Requetry Number 688013-77-6 CAFLUS

Chemical or Trade Name 6 (58)-Phenanthridinone, 3,8-dibromo-5-octyl- (CA INDEX NUME)

CAS Registry Number 688013-78-7 CAPLUS

Chemical or Trade Name 6N-Gibenze(b,d)pyram, 3,8-dibromo-6,6-dioctyl-, homopolymer (9CI) (CA TREEX NAME)

CM

CRN 688013-66-3 CMF C29 H40 Br2 0

688013-19-8 CAPLUS

Chemical or Trade Name 6H-Diberro(b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 1,8-dibromo-2,5-bis(decyloxy)benzene (9DI) (CA INDEX NAME)

CM 1

CRS 688013-66-3 CMF C29 840 862 0

2

CRN 152269-98-2 CMF C26 H44 Be2 O2

CAS Registry Number 688013-80-1 CAPLUS

Chemical or Trade Name 68-3ibenzo(b.dipyran, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis (ortyloxy)dibenzothiophene (9CI) (CA IMMEN NAME)

CM

CRN 688013-66-3 CMF C29 H40 Be2 0

CN 2

CROX 599212-67-6 CMF C29 H30 Br2 02 8

CAS Registry Mumber 688013-81-2 CAPLUS

Chemical or Trade Name 6H-Dibenzo(b,d)pyram, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis (octyloxy)dibenzofuram (PCI) (CA INDEX NAME)

CK.

CRN 688013-66-3 CMF C29 H40 Be2 0

CRN 599212-92-7 CMF C28 H38 Be2 03

CAS Registry Number 688013-83-4 CAPLUS

Chemical or Trade Name 6H-Gibenzo[b,d]pyram, 3,8-dibrons-6,6-dioctyl-, polymer with 1,1'=(1,2-sthenedlyl)bis[4-brons-3-(deryloxylbenzes] (SCI) (CA INDEX NAME)

CRS 688013-82-3 CMF C34 M50 Re2 02

CRN 688013-66-3 CMF C29 840 Re2 O

CAS Registry Number 688013-84-5 CAPLUS

Chemical or Trade Name Benzenanine, N,N+bis(4-bromopheny1)=4-(1-methylpropy1)=, polymer with 3,8-dibromo-5,6-dioty1-66-dibenzo(b,d)pyxan (9CI) (CA INDEX NAME)

CM 1

CRN 688013-66-3 CMF C29 840 Bc2 0

CRN 287976-94-7 CMF C22 H21 Br2 N

CAS Registry Number 688013-85-6 CAPLUS

Chusical or Trade Mars 1, 0-6erusopheny1]-N,N*-bis(4-buty1pheny1]-, polymer with 3,8-dibcoro-6,6-diocty1-6H-dibenzo(b,d)pyxan (9CI) (CA IMMEX IMMEX)

CM 1

CRN 688013-66-3 CMF C29 840 8c2 0

CM 2

CRN 372200-89-0 CNF C38 R38 Rr2 N2

CAS Registry Number 688013-85-6 CAPLUS

Chemical or Trade Name

1,4-Senzensdianine, N.N*-bis[4-bromopheny1]-N,N*-bis[4-boty]pheny1]-,
polymer with 3,8-dibromo-6,6-dioty2-88-dibromo[b,d]pyram (SCI) (CA INDEX NOCE)

CN

CRN 688013-66-3 CMF C29 840 Br2 0

CM S

CRN 372200-89-0 CMF C38 H38 Be2 M2

CAS Negastry Number 688013-86-7 CAPL/IS 3,8-dibromo-6,6-diootyl-6H-dibenzo(b,d)pyran (9CI) (Ch INDEX NAME)

CM 1

CRN 688013-66-3 CMF C29 M40 Me2 0

CM 2

CPS 599212-67-6 CNF C28 R38 Rc2 C2 S

CPS 372200-89-0 CMF C38 H38 Br2 N2

CAS Registry Number 688013-87-8 CAPLOS

Chemical or Trade Name 6H-Oibenzo(b,d)pyran, 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]-, homopolymer (9CI) (CA INDEX NAME)

CRS 688013-69-6 CRF C41 848 Re2 03

CAS Registry Number 688013-88-9 CAPLUS

Chemical or Trade Mame 1,4-Sentenedarine, N.N'-bim(4-beckephenyl)-N.N'-bim(4-betylphenyl)-, polymer with 3,8-dibcomo-5,6-bim(4-(octylaxy)phenyl)-68-dibemoo(b,d)pyram (SCI) (CA. INDEX NAME)

CM 1

CRN 688013-69-6 CMF C41 H48 He2 03

CN 2

CPGN 372200-89-0 CMC C38 H38 Hc2 N2

CAS Registry Number 688013-89-0 CAPLOS

Chemical or Trade Name 6H-Dibenso b.djpyran, 3,8-dibromo-6,6-bim(3',6',5'-tripbenyl(1,1':2',1''-terpbenyl-6-y1)'-, boropolymer (9C1) (CA INDEX NAME)

CM 1

CRM 688013-71-0 CMF 085 M56 Mc2 0

CAS Registry Number 688013-90-3 CAPLUS

Chemical or Trade Name Spiro(58-dibense(b,d)pyran-6,9'-[98]fluoxene], 3,8-dibrense-3',8'-bis(octyloxy)-, homopolymer (901) (Ch INDEX NAME)

·" :

CRM 688013-72-1 CMF C41 846 Br2 03

, L12 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2019 ACS on STN Accessor Number 1919 114495 CAPLUS Fight-6.2
Document Number 114 14456

Trie Tel

Repeated not formation of third scriptingly-framely(3-ghoreodiscipmis and then(3.5.q1.1.4) tracels (3.3q1.4) disappeas and analogs as planter activating total unsupervise
About Interest Conference of the Conference of the

Source U.S., 92 pp. Cont.-n-part of U.S. Ser No. 227,949, abandoned, OODER: USXXAM Patient Patient Patient Control U.S. Ser No. 227,949, abandoned, OODER: USXXAM Patient Control U.S. Ser No. 227,949, abandoned, OODER: U

Language English

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
US 4959361	A	19900925	US 1988-252964	19881003
EA 8809116	A	19890830	EA 1988-9116	19881205
CA 1327570	c	19940308	CA 1988-585981	19891215
DK 8807040	A	19990619	DK 1988-7040	19891216
FI 8805820	A	19890619	FI 1988-5820	19881216
FI 66799	В	19930331		
FI 88799	С	19930712		
AU 8826989	A	19990629	AU 1988-26989	19891216
AU 612441	82	19910711		
JP 01197484	A	19890809	JP 1980-316555	19881216
JP 07025762	В	19950322		
NU 50923	A2	19900328	HU 1988-6449	19891216
HU 204273	В	19911230		
NO 167920	в	19910916	NO 1988-5597	19891216
NO 167920	с	19911227		
ES 2056989	13	19941016	ES 1988-121165	19891216
NU 2071962	C1	19970120	RU 1989-4613119	19881216
CN 1034722	A	19890816	CN 1988-108697	19891217
CN 1031057	c	19960221		
RU 2094436	C1	19971027	RU 1992-5010684	19920131

Hit Structure

CAS Registry Number 125031-29-0 CAPLOS

Chemical or Trade Name 6(58)-Ehenanthridinone, 3,8-dichloro-5-(2-propys-1-yl)- (CA INDEX NAME)

Chemical or Trade Mare 6(58)-Phenenthridinons, 3,8-dichloro-5-[3-[4-(2-chlorophenyl]-9-methyl-6H-thieso[3,2-f][1,2,4]triazolo[4,3-a][1,4]diszepin-2-yl]-2-propyn-1-yl]-(Ch. IMEX IMEX)

L12 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1991122305 CAPLUS <u>Full-Must</u> Document Number 114 122305

Triazolobenzo- and triazolothierodiazepines as potent antagonists of platelet activating factor

Author/Inventor

Author

Journal of Medicinal Chemistry (1991), 34(3), 1209-21 CODEN J.MCMAR, ISSN: 0022-2523 Document Type

Language English

Advisors of 12-20 months (3-12) (Amendation to become in which factorizing in the position with an extens from which [2-12], (Alternatical cold, all, (Amendation to become in a transport of a cold in the position of the the po

CAS Registry Number 125031-29-0 CAPLOS

Chemical or Trade Name 6 (58)-Phenanthridinone, 3,8-dichloro-5-(2-propyn-1-yl)- (CA INDEX NAME)

CH2-C=CH

CAS Registry Number 125030-91-3 CAPLUS

Chemical or Trade Mane 6(58)-Phenanthridinone, 3,8-dichloro-5-[3-[4-[2-chloropheny]]-9-methyl-68-thleno(3,2-6)[1,2,4]triamolo[4,3-a][1,4]diamepin-2-yl]-2-propyn-1-yl]-(CA INDEN NAME)

L12 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1990/118862 CAPLUS <u>Full-bus</u>

Document Number 112 118862

Trie Title Preparation and formulation of triszobdazepine derivatives as platelet activator factor antiagonists. Author/Inventor Water, Amin Paerr Reagnes Corporate Source Hottmann Reagnes Corporate Source Hottmann Reads P. C. Seitz

Source Eur Pat Appl , 70 pp CODEN EPXXDW

Document Type Patent

Language English Patent Information

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
EP 320992	A2	19890621	EP 1988-121165	19881216
EP 320992	A3	19910109		
EP 320992	B1	19940727		
ZA 8809116	A	19890830	EA 1988-9116	19881205
CA 1327570	c	19940308	CA 1988-505981	19881215
DK 8807040	A	19890619	DK 1988-7040	19881216
FI 8805820	A	19890619	FI 1988-5820	19881216
FI 88799	В	19930331		
FI 66799	c	19930712		
AU 8826985	A	19990629	AU 1988-26989	19891216
AU 612441	82	19910711		
JP 0119748	4 A	19890809	JP 1988-316555	19881216
JP 0702576	2 8	19950322		
NU 50923	A2	19900328	HU 1988-6449	19891216
HU 204273	В	19911230		
NO 167920	В	19910916	NO 1988-5597	19891216
NO 167920	c	19911227		
ES 2056881	T3	19941016	ES 1988-121165	19881216
RU 2071962	C1	19970120	RU 1988-4613119	19881216
CN 1034722	A	19990816	CN 1988-108697	19891217
CN 1031057	c	19960221		
NU 2094436	C1	19971027	BU 1992-5010684	19920131

CAS Registry Number 125032-29-0 CAPLOS

Hit Structure

Chemical or Trade Name 6.(50)-Thenanthridinone, 3,8-dichloco-5-(2-propym-1-y1)- (CA INDEX NAME)

CAS Registry Number 12503G-91-3 CAPLOS

Chemical or Trade Name 6 (58): The mathridinore, 3,8-dichloro-5-[3-[4-(2-chloroghery1)-9-methy1-6H-thiese(3,3-t)[1,2,4]trlamolo(4,3-a)[1,4)dlamepin-2-y1]-2-propyn-1-y1)-(Ch INDEX NNES)

L12 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1980 110888 CAPLUS Ful-1997 Document Number

92 110555 Trie

Studies of phenanthridinone and tetrahydrodiazapyrene 2. Synthesis of 2,7 clamino 5,10-diazo-4,5,9,10-tetrahydro-4,9-diazapyrene and its derivatives

Khimiya Geterotsiklichesikih Scedinerii (1979.). (12). 1673-7 CODEN KGSSAQ ISSN 0453-8234

Language Russian

Testiment of add in this CCC gain of 1% disappears (R = 1400), whereas the hydrogenation of I over 16 gains 450%. If (R = 140) is (R = 1400) i

Chemical or Trade Name Pyrido(2,3,4,5-lms)pheanthridine-5,10-diome, 2,7-dichloro-4,9-dihydro-4,9-dihydroxy- (CA INDEX NAME)

CAS Requetry Number 72979-18-1 CAPLUS

Chemical or Trade Name
Pyrido(2,3,4,5-ima)phenanthridine-5,10-dione,
2,7-dibromo-4,9-dihydro-4,9-dihydroxy- (CA INDEX NAME)

L12 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

Accession Number 1979 540744 CAPLUS Full-text

Document Number 91 140744

Synthesis of 2,7-disubstituted 5,10-dioxo-4,5,9,10-fetrallydro-4,9-dioxopyrenes

Author/Inventor Migachev, G. I.

Petent Assignee/Corporate Source
Neuchno-Issied Inst. Plast Mass., Mosoow, USSR.

Zhumal Vsesoyuznogo Khmicheskogo Obshchestva im D. I. Mendeleeva (1979), 24(3), 307-8 CODEN: ZVKOA6; ISSN: 0373-0247

Document Type

Language Russian

Accessed Hebring + PECCOSHIC CONDUCTORS with HIGD-HEDD Let 1647 grow Nov. Letterh see Nebogarande over Planoy Hair DBF is gan 400 Pils 1(R - 1497). Discontation of 8 (R - 1497) billioned by Technology Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497) billioned by Technology See (R - 1497). Discontation of 8 (R - 1497) billioned by Technology See (R - 1497

Chemical or Trade Name
[1]Benzepyramo [5,4,3-ode] [1]benzepyram-5,10-dione, 2,7-dichloro- (901)
(CA INDEX NAME)

Chemical or Trade Name (1) Descriptions (5,4,5-ode)[1]bemropyran-5,10-diome, 2,7-dibroso- (9CI) (CA NOSC NAME)

L12 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1972 539956 CAPLUS FMEND

Document Number

77 139956

Facile synthesis of 2,3-dihydroimidazo-and 1,2,3,4-tetrahydropyrimido(1,2-flphenanthridines

Foole synthesis of the Author Inventor Pan, Har-Lung, Fletcher, T. Lloyd Patent Assignes Corporate Source Sch Med , Univ. Washington, Seattle, WA, USA Journal of Heterocyclic Chemistry (1972), 5(4), 859-64 CODEN JHTCAD: ISSN 0622-152X Document Type Journal

Language English

Address: When 6-Experiments of Exhibition proof (extended to the Control of Exhibition of Exhibition

CAS Registry Number 37992-13-5 CAPLOS

Chemical or Trade Name Imidato(1,2-f)phenanthridine, 6,11-dibromo-2,3-dibydro- (CA INDEX NAME)

CAS Regastry Number 37992-14-6 CAPLOS

Chemical or Trade Name Imidato (1,2-f)phenanthridine, 6,11-dichloro-2,3-dibydro- (CA INDEX NAME)

CAS Registry Number 37994-68-6 CAPLUS

Chemical or Trade Name Imidaro[1,2-E]phonanthridine, 6,11-dibrono-2-ethyl-2,3-dibydro- (CA INDEX INDEX

CAS Requestry Number 37994-74-4 CAPLOS

Chemical or Trade Name 2H-Pyrinido[1,2-f]phenanthradine, 7,12-dichloro-3,4-dihydro- (CA INDEX

CAS Requirtry Number 38181-10-1 CAPLUS

Chemical or Trade Name Inidero(1,2-f)phenanthridine, 6,21-dichloro-2-ethyl-2,3-dibydro- (CA INDEX SAME)

CAS Registry Number 38182-22-2 CAPLOS

Chemical or Trade Name 2M-Tyrimide [1,2-f]phonenthridine, 7,12-dibrown-3,4-dibydro-, bydrobromide (1,1) (CA INDEX NAME)

HBr

L12 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN Accession Number 1968 104896 CAPLUS FL6-022

Distriction of control field in the control field i

Persulfats acidistics of curbonylic acids. III. Oxidation of as cirmamic and bight Author Invented. Persulph Care of Control of Cont

Source Journal of the Chemical Society [Section] C. Organic (1968), (7), 842-8 CODEN JSOOAX, ISSN 0022-4962 Document Type Journal

Language English

Notices (Page 1)

1.8 Exercises contained by positive cyclation of laghand-Scattering, each, The parent hereocoursey was day formed by audition of Carbatheris code, in discussion of the uninstance (OM, IOC, and IOC, and

Chemical or Trade Name 6H-Dibenzo(b,d)pyran-6-one, 3,8-dibromo- (CA INDEX NAME)

```
=> logoff
ALL L# QUERIES AND ANSMER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
                               (FILE "HOME" ENTERED AT 12:45:52 ON 12 MAY 2009)
                               FILE 'REGISTRY' ENTERED AT 12:46:03 ON 12 MAY 2009
STRUCTURE UPLOADED
                                                                                     D LL
3 SEA FILE-PEGISTRY SSS SAM LL
D SCAN
STRUCTURE UPLOADED
                                                                                  D L3
2 SEA FILE-REGISTRY SSS SAM L3
                                                                               D SCAR
39 SEA FILE-REGISTRY SSS FUL 13
                               FILE CAMCHIS: ENTERED AT 12:481-51 ON 12 MMY 2009

10 SEA FILE-CANDS STR-COM ABS-ON FILE-ON L5 AND STR-2004 ON 2 SEA FILE-CANDS STR-COM ABS-ON FILE-ON L5 AND STR-2004 ON AN-2-004 ON PER-2004

D 1818 AND STRTE I.
                            FILE 'REGISTRY' RETERES AT 13:04:39 ON 12 MAY 2009
DESCRIPTION UPON THE OFFICE 
| FILE - CAPAIN' REPRESENT $1 30.53.4 (00 32 MAY 2000)

1.1 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 
   FULL ESTIMATED COST
   DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
                                                                                                                                                                                                                                                                                                               SINCE FILE
ENTRY
-9.84
   CA SUBSCRIBER PRICE
   Connection closed by remote host
   Connecting was Mingook to STN
   Welcome to STN International' Enter a:X
   LOGINID:SSPTAAKB1794
   PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR 2):2
   * * * * * * * * * * Welcome to STN International
chain nodes :
15 16
Xing nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
3-15 13-16
   xing bonds : 1-2 1-6 1-7 2-3 2-13 3-6 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 12-14 13-16
      exact bonds :
1-7 2-13 12-14 13-14 13-15 13-16
_-, z-13 12-14 13-14 13-15 13-16 mormalised bonds : 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 leolated ring systems : containing : y**
                                     STRUCTURE UPLOADED
=> s 11 sss full
FULL SEARCH INITIATED 13:53:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED = 1308 TO ITERATE
100 0% PROCESSED 1308 ITERATIONS
SEARCH TIME: 00.00.01
                                                                                                                                                                                                                                                                                                                                                                                                 395 ANSWERS
1.2
                                                               395 SEA SSS FOL L1
   => = 12
13 1160 12
=> 13 and (electroluminescent or electroluminescence or (light emitting) or OSED)
$2475 ELECTROLUMINESCENT
8 ELECTROLUMINESCENTS
92476 ELECTROLUMINESCENT OR ELECTROLUMINESCENTS)
                                                     ELECTROLIMENTSCIENT OR ELECTROLIMENTSCIENT

2694 ELECTROLIMENTSCIENT

30 ELECTROLIMENTSCIENT

61099 ELECTROLIMENTSCIENT

61000 EL
```

```
1356774 LIGHT (SIGHT OR LIGHTS)
143446 EMITTING
220 EMITTING
143401 EMITTING
              (EMITTING OR EMITTINGS)
78543 LIGHT EMITTING
(LIGHT(W)EMITTING)
7740 OLED
                7/40 OKED

9888 OKED

9000 OKED

8 13 AND (ELECTROLININESCENT OR ELECTROLIMINESCENCE OR (LIGHT BRITTING) OR OKED)
-> d ibib ebs bitstr 1-
TOU HAVE REQUESTED DATA FROM S ANSWERS - CONTINUES T/(N):y
   L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
Accession Number
2009 1533861 CAPLUS Full-fact
Document Number
          152 38288
          Manufacture of poly(arylenevirylenes) for light-emitting materials
Author/Inventor
Noguchi, Kiminobu
Patent Assigne Corporate Source
Sumitomo Chemical Co., Ltd., Japan
          Jpn Kokai Tokkyo Koho, 49pp CODEN: JKXXAF
Document Type
Patent
```

Language Japanese Patent Information

PATENT NO. KIND DATE APPLICATION NO. DATE JP 2009286890 A 20091210 JP 2006-140563

The policy innerwipments benny should all reposing unto (C.A.1.CACAH (A) = a plans, colered harbercyclic grad, childred arendo series resclue, A). A2 = 0, all, A

CAS Registry Number 1198601-24-9 CAPLUS

CAS Registry Number 1198601-25-0 CAPLUS

Chronical or Trade Name 1,4-Heads(A-tromospheny)1-H1,94-H4 (4-buty)pheny)1-, 1,4-Heads(A-buty)pheny)1-, 1,4-Heads(A-buty)pheny)1-, 1,4-Heads(A-buty)pheny)1-, 1,4-H4 (4-buty)pheny)1-, 1,4-H4 (4-buty)pheny)1-, 1,4-H4 (4-buty)pheny)1-, 1,4-H4 (4-buty)pheny)1-, 1,4-H4 (4-buty)pheny)1-, 1,4-H4 (4-buty)1-, 1,4-H4 (4-buty)

CM 1 CRN 689013-75-4 CMF C41 H64 B2 05

CFOR 688013-66-3 CMF C29 840 Re2 0

CN 3 CRN 372200-89-0 CMF C38 H38 Br2 N2

CN 4 CRN 14275-61-7 CMF C26 H56 Sn2

, L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2009 42289 CAPLUS Full-2015 Document Number 150 427108

Title
Polyheterogrames, their compositions and films, organic photoelectric converturs and electroluminescent devices with their layers, and monomies for them

Author/Inventor
Uetani, Yasunon; Noguchi, Riminobu
Patent Assignes Corporate Source
Sumitomo Chemical Co., Ltd., Japan

Jon. Koksii Tokkyo Koho, 51 pp. CODENI: JRXXAF
Document Type
Patient
Language
Language
Potent Information

PATENT NO.	KIND	DATE	APPLICATION NO	DATE
JP 2009073808	А	20090409	JP 2008-115201	20080425

Alexand The polyheterconnex have allocated expending with represented by (R. + N. abyl, aboxy, abylition, doi:, Ri + N. abyl, aboxy, abylition, doi:, Ri + N. abyl, aboxy, abylition, doi:, Ri + N. abylition, doi:, Ri + N.

CAS Registry Number

Chemical or Trade Name 6N-Cibenzo(b,d)pyran, 6,6-diortyl-3,8-big(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)

CAS Registry Number 1140830-09-6 CAPLUS

Chemical or Trade Name 6H-Dihenso(b,d)pyran, 6,6-dioctyl-3,8-bim(d,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-, polymer with 5,5'-[(3,9-dioxyl-9H-fluorene-2,7-diyl)di-2,1-ethenediyl)bim(5'-brono-2,2'-bithiophene) (CA_TROEK_NAME)

CN 1

CRN 1140929-98-6 CMF C49 H52 Rs2 84

PAGE 1-B

CM 2

CRS 688013-75-4 CMF C41 H64 B2 05

CAS Registry Number 1140830-36-9 CAPLUS

Chemical or Trade Name 68-Dihenrolp, 6,6-diocty1-3,8-bix(4,4,5,5-tetranethy1-1,3,2-dioxaborolar-2yll-, polymer with $5,5^{**}=[3,4-bix](4-[3,7-dimethylocty1]oxy[phenyl]-2,5-thiophenodiy1]di-2,1-ethenodiy1]bix[5^*-broso-3,2^*-bittipolened] (CA 1908-MAMS)$

OM 1

CPM 1140830-33-6 CMF 056 862 Re2 02 85

CRN 688013-75-4 CMF C41 864 82 05

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2016 ACS on STN Accession Number 2008/1397717 CAPLUS <u>Full-text</u>

149:577440

Polymens light emitting materials for thin tims, light emitting devices, plane light sources, display devices, organic transistors and solar cells

PCT Int Appl., 76pp CODEN PIXXD2

PCT Int A
Document Type
Pasent
Language
Japanese
Patent Information

	PATENT NO	KIND	DATE	APPLICATION NO.	DATE
ı	WO 2008140057	A1	20081120	WO 2008 JP58664	20080509
	JP 2008308671	A	20081225	JP 2008-123576	20080509
ı	EP 2154174	A1	20100217	EP 2008-752547	20080509

The polymer compols, comprise a repositing until (i) until or a repositing unit (ii), wheree RIII., RIII., RIII., RIII., RIII. - Her substituted and RIII., RIII. - Her substituted. The substituted and RIII. RIII. - Her substituted. The substituted and RIII. RIII. - Her substituted. The substituted and rivers are substituted and rivers and rivers and rivers and rivers and rivers and rivers absorptions and rivers and rivers absorptions and rivers and rivers absorptions and rivers and rivers and rivers absorptions and rivers and rivers and rivers absorptions and rivers and rivers

CAS Registry Number 1082773-87-2 CAFLOS

Chemical or Trade Mame GH-Olberto D.d Dyran, 3.8-dibromo-6.6-diotyl-, polymer with 3.2'-(1-pentyl-).2-ethemediyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) (CA_NECKA_NECK)

CM 1

CRN 1082741-59-0 CMF C19 B36 B2 04

CN 2

CFOR 688013-66-3 CMF C29 840 Rr2 O

CAS Registry Number 1082773-89-6 CAPLOS

Chemical or Trade Name 68-Chemical or Trade Name 68-Chemical, 6-dioctyl-, polymer with 68-Chemical, 6-diptoso-6, 6-dioctyl-, polymer with 2,2-diptosodyl-biss(4,4,5,5-tetrasetbyl-1,3,2-dioxaborolane) (CA 1805E NAME)

CM 1

CRN 916669-80-2 CMF C20 H30 B2 04

CN 2

CRS 688013-66-3 CMF C29 B40 Br2 0

CAS Registry Number 1082773-93-0 CAPLOS

Chemical or Trade Name 68:-Disense by John 20, 100 and 100 and

CN 1

CRM 916669-80-2 CMF C20 H30 H2 04

CM 2

CRS 688013-66-3 CMF C29 840 Br2 o

CAS Registry Number 1082773-95-2 CAPLUS

Chemical or Trade Name
68-Dibensio[b, 4]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with
68-Dibensio[b, 4]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with
2,7-dibromo-9,9-big[6-lbenyloxy)phenyl]-99-fluoreme and
2,2'e1-[pentyl-1],2-e1-benediyl]big[4,4,5,5-tetramethyl-1,3,2-dioxaborolame]
(CA_IDEX_NAMES)

CM 1

CRS 1082741-59-0 CMF C19 H36 H2 04

CM 2

CRN 690994-34-4 CMF C31 H40 Br2 02

CM 3

CRN 688013-66-3 CMF C29 H40 Rc2 O

1082773-97-4 CMPLUS

Chemical or Trade Name 1,0-deminstrated property [1-81, 94-bis (1-buty)] promptly 1,0-deminstrated arrive, \$21, 94-bis (1-buty)] promptly 1,0-deminstrated property [1-9, 94-bis (1-buty)] promptly 2,2-4-6,9-4-bis (1-9)-4-fit (1-buty), 2-4-6,9-4-bis (1-buty), 3-4-disabbroolane] and 3,2-4-(-penty)-1,2-e-themedy)] bis (4,5,5-4-themethy)-1,3,2-disabbroolane]. Bis (3,5-4-bis (2,5)-4-bis (2,5)-4-bis (2,5)-4-bis (3,5)-4-bis (3,5)

OM 1

CRN 1082741-59-0 CMF C19 836 82 04

CM 2

CRN 688013-66-3 CMF C29 840 Rr2 0

CRN 372200-89-0 CMF C38 H38 RF2 N2

CRN 210347-49-2 CMF C33 H48 B2 04

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2006/610771 CAPLUS Fig. 1985 Document Number 145,124968

December Nursee

The Popular composed and is see in head resident polymer light emilling decke Annie Insperie Norwegen (Stephen Norwegen), December Norwegen (Stephen Norwegen), December Norwegen (Stephen Norwegen), Unterd. Japan Stephen (Stephen Norwegen), Unterd. Japan Stephen (Stephen Norwegen), Unterd. Japan (Stephen Norwegen), United (Stephen Norwegen

WO 2006070848	A1	20060706	WO 2005-JP24011	20051221
JP 2006182920	A	20060713	JP 2004-378517	20041228
GB 2437213	A	20071017	GB 2007-14555	20051221
DE 112005003270	T5	20080410	DE 2005-112005003270	20051221
US 20080145571	A1	20080519	US 2007-722225	20070620
KR 2007090041	A	20070904	KR 2007-717119	20070725
CN 101124259	A	20080213	CN 2005-80048421	20070817

Accessed:
Disclosed is a polymer compound characterized by containing a structure represented by the biblioming behalf in the biblioming behalf in

Chemical or Trade Name 6H-Disease, polymer with 5,9-disease, polymer with 5,9-disease, polymer with 5,9-disease, polymer with 5,9-disease, polymer polymer (76-benzo[0]fluorece-7,1-cycloheane) (901) [CA NORN NAME)

CNN 896732-73-3 CNF C26 H26 He2

CROX 688013-66-3 CMF C29 H40 Bs2 0

OS CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS) L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2008 212535 CAPLUS File-base Document Number 144,301737

Polymer lummescent material composition and polymer light-emitting devices

Polymer samateuven manuren Aufhor/Invester Ustata Yasunscri, Shirasawa, Nobuhiko, Nakarishi, Herdoshi Paterit Assigner Corporate Guure Sunstano Chemical Company, Limited, Japan

PCT Int. Appl., 82 pp. CODEN PIXXD2

ans	information				
	PATENT NO.	KIND	DATE	APPLICATION NO	DATE
	WO 2006025290	Ai	20160309	WO 2005-JP15606	20050823
	GB 2432838	A	20070505	GB 2007-5585	20050823
	GB 2432838	В	20090218		
	DE 112005002083	Т5	20070719	DE 2005-112005002083	20050823
	CN 101048465	A	20071003	CN 2005-80036762	20050023
	JP 2006097008	A	20060413	JP 2005-250978	20050631
	JP 2006169502	A	20060629	JP 2005-250979	20050831
	KR 2007061840	A	20070514	KR 2007-707064	20070328
	US 20090039765	Aı	20090212	US 2007-574029	20070821

A
A Approve turnercount material composition is characterized by comparing a polymer turnercount material and a composited selected from among compail, of the following given all formulas (a fix with a selected from among compail, of the following given all formulas (a fix with a selected from among compail, of the following given all following polymers and among compail, of the following given among compail and among compail among compail and among compail and among compail among compail and among compail Hit Structure

Chemical or Trade Name 6H-Dibenso(b,d)pyran, 3,8-dibromo-6,6-bis(3-methylbuty1)- (CA INDEX NAME)

CAS Requetry Number

Chemical or Trade Mane 98-Carbarole, 9,3*-[6,6-bis(3-methylbuty1)-68-dibenzo[b,d]pyran-3,8-div1bis=(CA INDEX NAME)

OS CITING REF COUNT: 2 THERE ARE 2 CAPAUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2005 324209 CAPLUS FULTURE DOCUMENT Number 142 374970

Polymer light-emitting material and polymer light-emitting device Author/inventor

Author/Inventor
Nakatani, Tomoya; Sekine, Chou, Mkami, Satoshi; Kobayashi, Satoshi
Patert Assignee Corporate Source
Sumitomo Chemical Company, Limited, Japan

Source PCT Int. Appl., 111 pp. CODEN: PIXXD2

Language

Japanese Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO	DATE
WO 2005033174	A1	20050414	WO 2004-JP14569	20040928
DE 112004001856	T5	20060727	DE 2004-112004001856	20040928
GB 2424895	A	20061011	GB 2005-8519	20040928
GB 2424895	В	20080709		
CN 1863838	А	20061115	CN 2004-80028951	20040928
JP 2005126705	A	20050319	JP 2004-286813	20040930
US 20070051922	Ai	20070308	US 2006-573839	20060329
KR 2005115851	A	20061110	KR 2006-708210	20060428

Asserted Consequence (a) a private light entiting modes containing a private containing a private containing a private containing and a private containing a private containing and a private containing and a containing and a containing and a containing a containing and a containing a containing a containing and a containing a cont

CAS Registry Number 688013-66-3 CAPLOS

Chemical or Trade Name 68-Cubenze(b,d)pyran, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 849693-56-7 CAPLUS

Chemical or Trade Name Spiro(Sd-dibenzo|b,4)pyran-6,9'-[98]fluorene], 3,8-dibroso-3',6'-bis (octyloxy)-, polymer with 3,8-dibroso-6,6-diostyl-6H-dibenzo|b,6)pyran [90]) (CA INDEX NAME) CM 1

CROX 688013-72-1 CMF C41 846 8r2 03

CRN 688013-66-3 CMF C29 840 8e2 0

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2004 128942 CAPLUS Full-field Document Number 142 82001

Title
Color conversion thin for organic electroluminescent device
Author/Investor
Immun, Krystoshi, Dou Shup
Patent, Assignes Corporate Source
Summons Chemical Co., Ltd., Japan

Source

Jpn. Kaksi Tokkya Kaha, 24 pp. CODENt JKXXAF

Document Type

Patent

Language Japanese Patent Information

PATENT NO. KIND DATE APPLICATION NO. DATE JP 2004352910 A 20041224 JP 2003-159000 20030604

Abstract
The inventor relates to a color conversion film, suited for use in an organic electroluminescent device, comprising a fluorescent and/or phosphorescent conjugated polymer. Hrt Structure

CAS Registry Number 811819-84-8 CAPLOS

Chemical or Trade Name 2,1,3-Bennothiadianole, 4,7-bis(5-bromo-4-heay)-2-thienyl)-, polymer with 6,6-diootyl-3,8-bis(4,6,5,5-tetramethyl-1,3,2-dioxahorolan-2-yl)-68-dibennolb.djpyram [9C1] (CA 1906X NAME)

CN 1

CROX 688013-75-4 CMF C41 864 82 05

CRN 444579-39-9 CMF C26 H30 Be2 N2 S3

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2004:392502 CAPLUS Fu6-by

Document Number 140.415047

High-molecular compounds and polymer light- emitting devices made by using the same

High-moreouse wingsom.
Author/Inventor
Dil, Shuji, Kobayashi, Satoshi, Noguchi, Takanobu
Patera Assignee/Corporate Source
Sunstoms Chemical Company, Limited, Japan

PCT Int. Appl., 131 pp. CODEN, PIXXD2

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
WO 2004039859	A1	20040513	WO 2003-JP12697	20031003
JP 2004168999	A	20040617	JP 2003-343244	20031001
AU 2003268752	Al	20040525	AU 2003-260752	20031003
EP 1571170	At	20050907	EP 2003-740697	20031003
US 20080138651	A1	20080612	US 2005-532937	20050428
JP 2009215557	A	20090924	JP 2009-67794	20090319

The completing is the second of the completing of the completing is the completing of the completing of the completing is the completing of the completing is the completing of the completing is the completing of the completing of the completing is the completing of the completing o Hit Shuchus

Chemical or Trade Name 6H-Dibenzo(b,d)pyran, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 688013-67-4 CAPLUS

Chemical or Trade Name 6N-Cibenso(b,d)pyram, 3,8-dibromo-6,6-bis(3-methylbutyl)= (CA INDEX NAME)

CAS Registry Number 688013-75-6 CAPLUS

Chemical or Trade Name 6H-Dibenzo |b,d| pyram, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaloxolan-2-yll- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 6H-Dihenze(b,d)pyran, 3,8-dihrome-6,6-dioctyl-, homopolymer (9CI) (CA INEX NAME)

CM 1

CRIN 688013-66-3 CMF C29 840 8e2 0

CAS Registry Number 688013-19-8 CAPLOS

Chemical or Trade Name SH-Dihemac(b, 8)pyran, 3,8-dihromo-6,6-dioctyl-, polymer with 1,4-dibromo-2,5-bis(decyloxy)benzene (901) (CA INDEX NAME)

CN 1

CRS 688013-66-3 CRF C29 840 Br2 0

CN 2

CRN 152269-98-2 CMF C26 H44 Hr2 O2

CAS Registry Number 688013-80-1 CAPLOS

Chemical or Trade Name 6H-Dibenze(b.d)pyran, 3,8-dibromo-6,6-dioetyl-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzethiophene (9CI) (CM INDEX NAME)

CM

CRM 688013-66-3 CMF C28 840 Re2 0

CN 2

CRS 599212-67-6 CMF C28 H38 Rr2 02 S

CAS Registry Number 688013-81-2 CAPLOS

Chemical or Trade Name 68-Gibenzo(b,d)pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis(octylosyldibenzofuren (SCI) (CA INDEX NAME)

CN 1

CRN 688013-66-3 CMF C29 840 Br2 O

CRS 599212-92-7 CNF C28 H38 Rr2 O3

CAS Registry Number 688013-83-4 CAPLUS

Chemical or Trade Name 68-Giberon-6,6-dioctyl-, polymer with 1,1'-(1,2-etherodiyl)bis[4-brown-3-(decylosy)benbene] (9CI) (CA INDEX NAME)

CM 1

CRS 688013-82-3 CMF C34 H50 Be2 02

CRM 688013-66-3 CRF C29 840 Bc2 0

CAS Registry Number 688013-84-5 CAPLOS

Chemical or Trade Name Benzenanine, N.N-bir(d-bromophenyl)-4-(1-methylpropyl)-, polymer with 3.0-dibromo-5,6-diotyl-65-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

CN 1

CRN 688013-66-3 CMF C29 840 Bc2 0

CN 2

CRN 287976-94-7 CMF C22 H21 Br2 N

CAS Registry Number 688013-85-6 CAPLOS

Chemical or Trade Name 1,6-Senzenedianine, N,81-bis[4-becomphenyl]-N,81-bis[4-butylphenyl]-, polymer with 3,8-dibromo-6,6-dioctyl-68-dibenzo[6,d]pyram (9CI) (CA INDEX NAME)

CK 1

CRS 688013-66-3 CMF C29 840 8e2 0

CM 2

CRM 312200-89-0 CMF C38 M38 Be2 M2

Chunical or Trade Nume
1,4-Penzenedianine, N,8'-bis(4-becophanyl)-N,8'-bis(4-botylphanyl)-,
polyper with 3,8-dibroso-6,4-dioctyl-SH-dibroso(b,d)pyran (SCI) (CA IMDEX
NRMS)

CN 1

CMM 688013-66-3 CMM C29 M40 Mc2 0

CN 2

CPS 372200-89-0 CMF C38 H38 Br2 M2

CAS Registry Number 688013-86-7 CAPLOS

Chemical or Trade Name 1.6-Benzenedianine, N.M'-bis(4-bustylphenyl)-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzethiophene and 3,8-dibromo-6,6-diotyl-68-dibenzo(b.dlpyxon (SCI) (CA INDEX NAME)

CM 1

CRS 688013-66-3 CMF C29 H40 Be2 0

CH 2

CHR 599212-67-6 CMF C28 838 8s2 02 S

ON 3 3 CPN 372200-69-0 CMY C38 838 8c2 N2

OS CITING REF COUNT: 9 THERE ARE 9 CAPAUS RECORDS THAT CITE THIS RECORD (2) CITINGS)

```
Match level:
1:Atom 2:Atom 3:Atom 6:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 16:Atom
15 STRUCTURE UPLOADED
-> s 15 ses full
FULL SEARCH INITIATED 13:57:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2384835 TO ITERATE
83.9% PROCESSED 2000000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 90.00.07
                                                                                           15305 ANSWERS
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
PROJECTED ITERATIONS: 2384835 TO 2384835
PROJECTED AMBRES: 17844 TO 18654
1.6
             15305 SEA SSS FUL L5
=> s 16
17 2601 16
so 17 and (elektrolaminessen) or elektroluminessense or (light enivting) or OLED

2419 LEATTHOLAMENTEORYS

2419 LEATTHOLAMENTEORYS
          26999 ELECTROLUMENTECHNIC OR ELECTROLUMINEDCENCES
5 ELECTROLUMINESCENCE
26940 ELECTROLUMINESCENCE
(ELECTROLUMINESCENCE OR ELECTROLUMINEDCENCE)
1352467 1438HT
          => d ibib abs bitstr 1-
YOU HAVE REQUESTED DATA FROM 49 ANSWERS - CONTINUE? Y/(N):y
   LE ANSWER 1 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN
Accession Number 2010/114706 CAPLUS Full-less
Document Number 152/226240
         Organic element for low voltage electroluminescent devices
Ogame element for law unage encurrences.

Author Inventor

Author Inventor

Author Chrestor

Eastman Kodak Chrepany USA
Source
U.S. Pat. Appl. Publ. 38pp., Conti-in-part of U.S. Ser. No 795,953. Abandoned CODEN. USXXXXX
Document Type
Language
English
Patent Information
        PATENT NO. KIND DATE
                                                        APPLICATION NO. DATE
```



US 20100019671	A1	20100128	US 2009-573175	20091005
US 20070092759	A1	20070426	US 2006-501336	20060009
US 20070207347	A1	20070906	US 2007-795953	20070430

Accessed. The invention risks is an OLED device including a cathody, a light centifing layer and an arood, and having located believes the cathods and the light centifing layer, a larther layer containing an alkal metal or alkaline series metal and in a 5/2 hydrosypheny(phenominisme Such devices either induced draw voltage infer mentalming good luminarous.)

His Structure

CAS Registry Number 452070-78-9 CAPLUS

Chemical or Trade Name Phenanthridine, 6-(2-methoxyphenyl)- (CA INDEX NAME)



CAS Registry Number 916986-85-1 CAPLOS

Chemical or Trade Name Phenod, 2-(6-phenosthridinyl)-, lithium salt (1:1) (CA INDEX NAME)



, Le ANSWER 2 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2010 51225 CAPLUS <u>Eubless</u>

Document Number 152 144705

Preparation of anthracene derivatives for organic electronic device

Peparation of ammicane winners - was - was - Author/mericle - Author/mericle - Market/mericle - Market/meric

PCT Int Appl , 59pp CODEN PDXXD2

Language Korean

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010005266	A2	20100114	WO 2009-KR3799	20090710
KR 2010005979	A	20100122	KR 2008-67362	20080711

Administration of the Computer (Fig. 1-2), 1-3, 1-3, 1-3, and related to intrinsical band of prime (Fig. 4-2). In place lated for any of the prime pri

CAS Registry Number 1204236-43-0 CAPLUS

Chemical or Trade Name Phenanthrane Chemical (CA INDEX NAME)

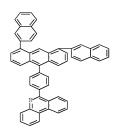


CAS Requetry Number 1204236-55-6 CAPLOS

Chemical or Trade Name Financhic Hame Financhic Hamiltonian (CA INDEX NAME) (CA INDEX NAME)

CAS Registry Number 1204236-75-8 CAPLUS

Chemical or Trade Name Phenachhydine, 6-[4-[4,5-d3-2-naphthalenyl-9-anthracenyl]phenyl]- (CA NNEX NAME)



LB ANSWER 3 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2009 1533861 CAPLUS <u>Full-text</u> Document Number 152 38288

Manufacture of poly(arylenevirylenes) for light-emitting materials

Manufacture or pury ...,
Author/Inventor
Nogolis, Kiminobu
Patent Assignee Corporate Source
Submittoms Chemical Co., Ltd., Japan

Jpn Kokai Tokkyo Koho, 49pp CODEN JIXXXAF

Language Japanese Patent Information

PATENT NO. KIND DATE APPLICATION NO. DATE JP 2009286890 A 20091210 JP 2008-140563 20080529

Accessed Temporary of the property of the prop

CAS Registry Number

Chemical or Trade Name INDEX NAME NOT YET ASSIGNED

CM 1

CMS 688013-66-3 CMF C29 H40 Br2 0

CAS Registry Number 1198601-25-0 CMPLUS

Chemical of Tode Name | 1-d-bnnenedighten | 1-d-bnnenedighten | 1-d-bnnenedianne, Nl, Nd-bnnenedianne, Nl, Nd-bnnenedianne, Nl, Nd-bnnenedianne, Nl, Nd-bnnenedianne, Nl, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenedianne, Nd-bnnenediannenedi

OM 1

CRS 688013-75-6 CMF C41 864 82 05

CN 2 CRN 608013-66-3 CMF C29 H40 Br2 0

CRN 372200-89-0 CMF C38 H38 Bc2 N2

CRN 14275-61-7 CMF C26 H56 8n2

LB ANSWER 4 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2009 1091536 CAPLUS Fut-text Document Number 151/539713

Synthesis and electrooptical properties of carbazole derivatives with high band gap energy

Author firmater
Author firmate

Source Thin Solid Films (2009), 518(1), 284-289 CODEN: THSFAP, ISSN: 0040-6090

Document Type Journal

Language English

The motifies containing constant monifies and softbilling in high band gas mengy, 3.6-46% contained 9-6,6-46 molythomorphism (DCP) and 3.6-46 molythomorphism (DCP) and 1.6-46 molythomorphism (DCP) a

the double layer device, ITO DNaC/Alq3LiF/Al, in which DNaC was used as the hole transporting material, the yellowish-green color arising from the Alq3 was also observed. Hit Structure

CAS Registry Number

Chemical or Trade Name Phenostheadine, 3,8-dx-9H-cambarol-9-yl-6-phenyl- (CA INDEX NAME)

CAS Registry Number 309756-55-6 CAPLOS

Chemical or Trade Name Phenanthridine, 3,8-diredo-6-phenyl- (CA INDEX NAME)

L8 ANSWER 5 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2009 703111 CAPLUS FL6-3925

Document Number 151:56977

Preparation of whyboron cheldres as light-emitting materials, electron-transport materials, electron-injection materials or organic semiconductors, processes for their preparation and their use in functional electronic devices Author/Inventor

Murakami, Masahiro, Ishida, Naoki, Narumi, Mzuna, Armoto, Yoichi, Hasegawa, Munehiro, Arai, Tomoya, Goya, Tsuyoshi Patent Assignee Corporate Source Kyoto University, Japan; Nappon Shokubai Co., Ltd.

Source

PCT Int. Appl., 295pp. CODEN PIXXD2

Document Type Patent

Language

Abstract

Patent	Information	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009072582	A1	20090611	WO 2008-JP72096	20081204
JP 2009155325	A	20090716	JP 2008-307846	20081202

"Application (Fig. 10) and installment of a region of the continue of the cont Hrt Structure

Chemical or Trade Name Methanesulfoca o and, 1,1,1-trifluoro-, 6-phenanthridinyl ester (CA INDEX (NAME)

$$\bigcup_{\mathbb{N}} \bigcup_{0=\bigcup_{i=1}^{N} CF3}$$

LB ANSWER 6 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2009 490637 CAPLUS Full-Ref

ent Number 150:448126

Dife

Transition metal cyclometalated complexes with chelating bidentate N,S- and N,O-heterocyclic carbene-heterocycle ligands as light-emitting materials for organic light-emitting devices (OLEDe)

inventor

Molt, Oliver; Lennartz, Christiani, Fluchs, Eivelyn, Kahle, Klaus; Langer, Nicolle; Schildknecht, Christian; Rudelph, Jens; Wagenblast, Gerherd, Watenabe, Soichi

Patent Assignee Corporate Source Bast Se, Germany

Source PCT Int Appl , 60pp CODEN PDXXD2

Document Type Patent

Language German

Patent Information

PATENT NO. KIND DATE APPLICATION NO. DATE WO 2009050290 A1 20090423 WO 2008-EP64074 20081017

Treation made company (I), (NiCAMLITA) M = Groso (R. Illi mink) a session manif Inframada, preferably M = 1, Oc. P, L = mono or bidenitie installing ext. 2 = mono or district, (Spring A = 1, Oc. P), L = mono or bidenitie installing ext. 2 = mono or district, (Spring A = 1, Oc. P), L = mono or bidenitie installing ext. 2 = mono or district, (Spring A = 1, Oc. P), L = mono or bidenitie installing ext. 2 = mono or district, (Spring A = 1, Oc. P), L = mono or bidenitie installing ext. 2 = mono or district, (Spring A = 1, Oc. P), L = mono or district, (Spring Hit Structure

CAS Registry Number 1145831-62-6 CAPLUS

Chemical or Trade Name Methaneaulfenamide, 1,1,1-trichloro-N-6-phenanthridinyl- (CA INDEX NAME)

Chemical or Trade Name 6-Phenanthridinanine, N-hydroxy- (CA INDEX NUME)



L8 ANSWER 7 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2009 487913 CAPLUS Fifthers

Transition metal cyclometristed complexes with chefating bidentate N-heterocycle carbene-haterocycle ligands as light-emitting materials for organic light-emitting devices (OLEDs)

Author Immentor
Mbt. Ohrer, Lementz, Christian, Fichs, Evelyn, Kaffe, Plaus; Langer, Nicole; Schläßnechs, Christian, Rudolph, Jene, Wagenblast, Gerhard, Wetanube, Social Patent Assigned Corporate Source
Ball So, Germany

PCT Int Appl., 70pp CODEN PIXXD2 Document Type

Patent

Language German Patent Information

KIND DATE APPLICATION NO. DATE PATENT NO.

20090423 WO 2008-EP64064 20081017 WO 2009050281 A1

Assessment compares (1) (In Collection 1) (In Co

CAS Registry Number 1145788-07-3 CAPLOS

Chemical or Trade Name Phenanthridine, $\delta = |2-(4-pyxidiny1)bydraxiny1] - (CA INDEX NAME)$

CAS Requetry Number 1145788-00-6 CAPLUS

Chemical or Trade Name Phenanthridine, 6-(2-(2-methylphenyl)hydraminyl)-, hydrochloride (1:1) (CA INDEX NAME)

HC1

CAS Registry Number 1145788-03-9 CMPLUS

Phenonthridine, 6-(2-phenylhydraminyl)-, hydrochloride (1:1) (CA INDEX NAME)



LB ANSWER 8 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2009 494-95 CAPLUS Edde27 Document Number 150 604-95 in 2004-95 in 2004-95

Trie

Deep blue electroluminescent host material and organic electroluminescent element

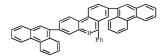
	Deep blue electrols	uminesc	ent host met	erial and organic elect	rolumines
Author/	rryentor				
	Km. Byeong Su				
Patent	Assignee/Corporate LG Display Co., Ltd.	Source			
Source	ed output) oo , en	, 0 100	***		
044108	Daniel Versen Van	when To	aba Vasaba	900 CODEN KRXXA	-
		Author 15	rein ruigo,	SUP CODER NAVA	ir.
Docum	ent Type				
	Patent				
Largue					
Langua	ge				
Langua Potent	ge Korean				
	ge Korean Information				
	ge Korean	KIND	DATE	APPLICATION NO	DATE
	ge Korean Information	KIND	DATE	APPLICATION NO.	DATE

Avantace
This invention provides a host material shown in alternical formula (R1 = hydrogen, C1-12 elly), or subclished or unsubsitized C4-50 aromatic group (capable of containing hieroscori ning), R2 and R3 = substituted or unsubsitized C4-50 aromatic group (capable of containing hieroscori ning), and an organic electrolaminescent element capable of emitting deep bias light by using the host motivate.

H8 Shruture

CAS Requetry Number 1149348-24-2 CAPLUS

Chemical or Trade Name Phenoathridine, 3,8-di-9-phenoathrenyl-6-phenyl- (CA INDEX NAME)



CAS Registry Number 855622-88-7 CAPLOS

Chemical or Trade Name Phenanthridine, 3,8-dibromo-6-phenyl- (CA INDEX NAME)

CAS Registry Number 1169348-26-4 CAPLUS

Chemical or Trade Name Phenosthridime, 3,8-di-9-anthracemyl-6-phenyl- (CA INDEX NAME)

CAS Registry Number 1149348-28-6 CAPLOS

Chemical or Trade Name Phenonthradine, 3,8-di-1-naphthalenyl-6-phenyl- (CA INDEX NAME)

CAS Requetry Number 1149348-30-0 CAPLUS

Chemical or Trade Name Phenanthradim, 3,5-bis([1,2*-bipheny1]-4-y1)-4-pheny1 (CA INDEX NAME)

LS ANSWER 9 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN ACCESSION Number 2009 42039 CAPLUS FL6-3929 Document Number 150 427 to 5

Polyheterogrenes, their compositions and films, organic photoelectric conveniers and electroluminescent devices with their layers, and monomers for them

Jpn Kakai Takkya Kaha, 51pp. CODEN JKXXAF

JE.

ATENT NO.	KIND	DATE	APPLICATION NO	DATE		
2009073808	A	20090409	JP 2008-115201	20080425		

The polyhetercarenes have structural repeating units represented by I,R = H, alkyl, dilazary, alkyfither, otic; R1 = H, alkyl, dilazary, anyl, cyanor, Art = anylene, heterocyclykene, Z = O, S, m, n = 2-4), preferably II,R, R1, Art = same as albovel. Organic photoeleic convenients may also use full-kinnes as electron acceptors.

Chemical or Trade Name 6H-Dibenzo(b,d)pyran, 3,8-dibremo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 688013-75-4 CAPLUS

Chemical or Trade Name 6H-Dihemso[b,d]pyram, 6,6-diootyl-3,8-bis(4,6,5,5-tetranethyl-1,3,2-dioxaborolam-2-yl)- (CA INDEX NAME)

CAS Registry Number 1140830-09-6 CAPLUS

Chemical or Trade Name 6.8-dioctyl=3,8-bis(4,6,5,5-tetramethyl=1,3,2-dioaborolam-2-yl-, polymer with 5,5'-|[9,9-dioctyl=9]=fluorene-2,7-diyl)d:-2,1-ethomed(yl)bis[5'-brome-2,2'-bithiopheme] (CM_INDEX_NAME)

CRS 1140829-98-6 CRF C49 H52 Bc2 S4

CRON 6880013-75-4 CMC C41 864 82 05

CAS Registry Number 1140830-36-9 CAPLUS

Chemical or Trade Name Stribenson (6,6-dioetyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioaborolan-7yl)-, polymer with 5,5''-[13,4-bis[4-[3,7-dioaborolan-7yl)-, polymer with 5,5''-[13,4-bis[4-[3,7-dioaborolan-7yl)-2,5-thiopenedly]]41-2,1-ethenedlyl]bis[5'-broso-2,2'-bathiopened] (Δ NIMES NAME)

CRN 1140830-33-6 CMF C56 H62 Hc2 O2 85

CN 2

CROX 688013-75-4 CMF C41 H64 B2 05

. L8 ANSWER 10 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2000 121649 CAPLUS Fig. 2005 2010 15049 CAPLUS Fig. 2005 150491018

Assi-boraphenanthrene derivatives or oxis-boraphenanthrene derivatives, and organic electroluminescent device using them

Author/Inventor
Kang, Myeong Sun, Chee, Mi Yeong, Park, Jan Seong, Jung, Ho Guk, Kang, Ui Su
Patent Assignate Corporate Source
One Industrius, Inc., S. Korea

Source
Repub. Korean Kongkoe Taeho Kongbo, 40pp CODEN KRXXAZ Document Type Patent

erm e	regression				
	PATENT NO.	KIND	DATE	APPLICATION NO	DATE
	VB processarie		20200102	VB provinces	20070748

Advance.

It is gained grown with the size of the properties of the size of th

CAS Requetry Number 1115476-13-5 CAPLUS

Chemical or Trade Name Dibens[c,e][], 2)asaborine, 6-[3,5-bis(trifluoromethyl]phenyl]-5,6-dihydro-(CA INDEX NAME)

CAS Registry Number 1115476-16-8 CAPLUS

Chemical or Trade Name. Dibenz[c,e][1,2]araborine, 5,6-dibydro-6-(2-pyridiny1)= (CA INDEX NAME)

CAS Registry Number 1115476-19-1 CAPLOS

Chemical of Trade Mame Diberg(c,e) [1,2]asaborine, 5,6-dihydro-6-(1-naphthalenyl)- (CA INDEX NAME)



CAS Registry Number 1115476-23-7 CAPLUS

Chemical or Trade Mane Dibenz[c,e][1,2]azaborine, 6-(9-anthracenyl)-5,6-dihydro- (CA INDEX NAME)



CAS Registry Number 1115476-26-0 CAPLUS

Chemical or Trade Name Dibenz[0,e][1,2]anaborine, 5,6-dibydro-6-(9-phenanthrenyl)- (CA INDEX

CAS Requetry Number 1115476-28-2 CAPLUS

Chemical or Trade Mane Dibeni(s,e[]],2)anaborine, 5,6-dihydro-6-[4-(2-pyridiny1)pheny1]- (CA INDEX NAME)

CAS Registry Number 1115476-31-7 CAPLUS

Chemical or Trade Name Dibenz(o,e)[1,2]azaborime, 5,6-dihydro-6-[4-(1-isoquinoliny1)pheny1]- (CA NORK NAME)

Chemical or Trade Mame
Dibers(o,e][1,2]amaborine, 6-(3,5-di-3-pyxidinylpbenyl)-5,6-dihydro- (CA
TREE NAME)

CAS Registry Number 1115476-38-4 CAPLUS

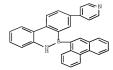
Chemical or Trade Marse
Dibecu[c,e][1,2]anaborine, 6-[4-(9H-carbanoI-9-y1)pheny1]-5,6-dihydro-(CA INDEX NAME)

CAS Requetry Number 1115476-40-8 CAPLUS

Chemical or Trade Name Dibenz[c,e][1,2]asaborine, 6-(3,5-di-98-carbasol-9-ylphenyl)-5,6-dibydro-(A INDEX NAME)

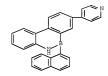
CAS Requestry Number 1115476-43-1 CAPLUS

Chemical or Trade Mane Diberg[c, a][J, 2]amaborine, 5,6-dihydro-6-(2-phenanthreny1)-8-(4-pyridiny1)-



CAS Registry Number 1115476-46-6 CAPLUS

Chemical or Trade Name Diberu[0.e][1,2]auaborine, 5,6-dihydro-6-(1-naphthalenyl)-8-(4-pyridinyl)-(CA INDEX NAME)



CAS Registry Number 1115476-49-7 CAPLUS

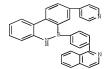
Chemical or Trade Mane Disens[c,e][1,2]asaborine, 6-(3-anthraceny1)=5,6-dihydro-8-(4-pyridiny1)-(C. INGEN KNRM)

CAS Requetry Number 1115476-52-2 CAPLOS

Chemical or Trade Name Diberm(c,e)[1,2]amaborime, 5,6-dihydro-6-(2-pyridiny1)-8-(4-pyridiny1)-(CA INDEX NAME)

CAS Registry Number 1115476-55-5 CAPLOS

Chemical or Trade Manu Dibers[o,e][1,2]araborine, 5,6-dihydro-6-[4-(1-imoquinoliny1)pheny1]-8-(4-pyridiny1) (CA INSECTRADE)

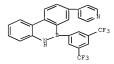


CAS Requetry Number 1115476-58-8 CAPLOS

Chemical or Trade Name Discus[c,e][1,2]asaborine, 6-(3,5-di-3-pyridinylphenyl)-5,6-dihydro-8-(4-pyridinyl)- (CA INSEX NAME)

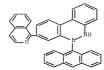
CAS Registry Number 1115476-61-3 CAPLOS

Chemical or Trade Name Dibens[c,e][1,2]asaborine, 6-[3,5-bis(trifluoromethyl)phenyl]-5,6-dihydro-8-(4-pyzadnyl)- [C.NDEX NDME)



CAS Registry Number 1115476-64-6 CAPLUS

Chemical or Trade Name Diberz(0,e][1,2] anaborime, 6-(9-anthracemyl)-5,6-dihydro-8-(1-isoqainolinyl)- (CA INDEX NAME)



CAS Registry Number 1115476-67-9 CAPLUS

Chemical or Trade Name Diberm[c.e][1,2]sasborine, 6-(9-anthracetyl)-5,6-dibydro-8-(1-phenyl-lH-benninidson)-2-yll- (CA INDEX NAME)

CAS Registry Number 1115476-70-0 CAPLUS

Chemical or Trade Mane
Dibecs[c.e][1,2]saborine, 6-(3,5-di-3-pyridinylphenyl)-5,6-dihydro-8-(1-phenyl-18-benzinidsol-2-yl)- (CA_TNDEX_NAME)

CAS Registry Number 1115476-73-7 CAPLUS

Chemical or Trade Name
Dibenz(c,e)[1,2]sasoorine, 6-(3,5-di-3-pyridinylphenyl)-2,4-difluoro-5,6-dihydro-6-(-1-phenyl-18-benzimidazol-2-yl)- (CA INDEX NAME)

CAS Requetry Number 1115476-76-0 CAPLOS

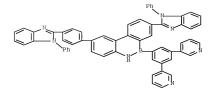
Chemical or Trade Name Diseas(c,e)[],2]acaborine, 6-(3,5-di-3-pyridinylphenyl)-5,6-dihydro-8-(1-phenyl-18-bensindaso1-2-yl)-3-(trifluoromethyl)- (CA INDEX NAME)

CAS Registry Number 1115476-79-3 CAPLUS

Chemical or Trade Name Dibens[0,e][1,2]asaborine, 6-[9-anthracenyl]-5,6-dihydro-8-(1,4,5tripbenyl-18-inidazol-2-y2)- [CN_INDEX_NAME]

CAS Registry Number 1115476-82-8 CAPLOS

Chemical or Trade Name Dibung (s.e] [], 2]anaboring, 6=(3,3=di=3=pyridinylphenyl)=5,6=dihydro=6=(1-phenyl=18-benzimidanol=2-yl)=2=[4-(1-phenyl=18-benzimidanol=2-yl)phenyl]-(CA INCEN NAME)



CAS Requetry Number 1115476-05-1 CAPLOS

Chemical or Trade Name
Dibera(s,e) [1,2]sasborime, 2-(3,5-di-3-pyridinylphanyl)-5,6-dihydro-6-[4-(1-phenyl-1H-benzimidazol-2-yl)phenyl]-7,9-di-3-pyridinyl- (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

CAS Registry Number 1115076-89-5 CAPLOS

Chemical or Trade Name
Dibern(o,e)[1,2]anaborine, 5,6-dahydro-8-(1-phenyl-1H-bernamidazol-2-yl)2,6-bis(d-1-phenyl-1H-bernamidazol-2-yl)pbenyl)- (CA INDEX NAME)

CAS Registry Number 1115476-92-0 CAPLUS

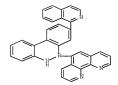
Chemical or Trade Name Diberus [c.el]. 2,6-bis(3,5-di-3-pyridinylphenyl)-5,6-dibydro-7,9-di-3-pyridinylphenyl)-5,6-dibydro-7,9-di-3-pyridinylphenyl)

CAS Registry Number 1115477-09-2 CAPLUS

Chemical of Trade Name Dibecu[o,e][1,2]araborine, 5,6-dihydro-6-(1,10-phenanthrolin-5-yl)- [CA NIMEX NAME]

CAS Registry Number 1115477-12-7 CAPLOS

Chemical or Trade Name Dibent(e,e)[1,2]anaborine, 5,6-dihydro-8-(1-imoquinoliny1)-6-(1,10phenantholin-5-yl)- (CA INDEX NAME)



CAS Registry Number 1115477-15-0 CAPLOS

Chemical or Trade Name Diseas(c,e)[1,2]asaborime, 5,6-datydro-6-(1,10-phenanthrolin-5-y1)-8-(1-pheny1-18-bearimidaso1-2-y1)-2-[4-(1-pheny1-18-bearimidaso1-2-y1)pheny1]-(CA_DECK_NNME)

CAS Registry Number 1115477-18-3 CAPLUS

Chemical or Trade Name Dimens(c,e)[1,2]anaborims, 6=(2,3=dipheny1=5=quimoxalimy1)=5,6=dihydro-(CAIDECKINNES)

CAS Registry Number 1115477-21-8 CAPLUS

Chemical or Trade Name
Dibens(0,e][1,2]anaboxime, 6-(2,3-diphenyl-5-quimoxalinyl)-5,6-dihydro-8(1-isoquimolinyl)- (CA INDEX NAME)

CAS Registry Number 1115477-25-2 CAPLOS

Chemical or Trade Name Dibras [c,e] [], 2]asaborine, 6-(2,3-dipberyl-5-quinosaliny1)-5,6-dibydro-8-(1-pberyl-18-bensimidaso-2-y1)-2-[4-(1-pberyl-18-bensimidaso-2-y1)]) [CA INDEX NAME]

CAS Registry Number 1115477-27-4 CAPLUS

Chemical or Trade Name Dibens(c,e)[1,2]esaborine, 8-(2-bensoxazoly:)-2,6-bis[4-(2-bensoxazoly:):pbens)]-5,6-dibydro- (CA INDEX NAME)

CAS Registry Number 1115477-31-0 CAPLOS

Chemical or Trade Name
Dibers[c,e][1,2]araborine, 8-(2-benzothiazoly1)-2,6-bis[4-(2-benzothiazoly1)pheny1]-5,6-dihydro- (CA INDEX NAME)

CAS Registry Number

CAS Registry Number 1115477-37-6 CAPLUS

Chemical or Trade Name Dibens(c,e)[1,2]asaborine, 8-(98-carbazol-9-y1)-5,6-dihydro-6-(9phomachieny))- (CA NOBE NAME)

CAS Registry Number 1115477-39-8 CAPLUS

Chemical or Trade Name Dibens(c,e)[1,2]asaborine, 6-[4-(9M-carbasol-9-y1)phenyl]-5,6-dihydro-8-(1phenyl-1M-bensimidatol-2-y1)- (CA.INDEX NAME)

CAS Registry Number 1115477-42-3 CAPLUS

Chemical or Trade Name Dibenz(c,e)[1,2)eaborine, 8-198-carbasol-9-yl)-6-[4-(98-carbasol-9-yl)phenyl)-5-6-dhydro- (CA INDEX NAME)

CAS Requetry Number 1115477-46-7 CAPLUS

Chemical or Trade Mane Diberol(s,e)[1,2]saborine, 6-[6-(2-benzozaroly1)pbeny1]-5,6-dibydro-0-(1-pbeny1-1H-benzimidazol-2-y1)=2-[4-(1-pbeny1-1H-benzimidazol-2-y1)pbeny1]-(CA DEEX NOME)

CAS Registry Number 1115477-49-0 CAPLUS

 $\label{eq:continuous} \begin{array}{ll} \text{Chemical or Trade Mass}. \\ \text{Dibmost } [c, a] \ [1, 2] \text{anabotine}, \ 6-16-(2-\text{bendothized}) 2) \text{pbtmyl}]-5, 6-d \text{hydro-8-(1-pbtmyl-1H-benzinidano} 1-2-y1) -2-[4-(1-pbtmyl-1H-benzinidano) 2-y2) pbtmyl]-(6-1H-Benzinidano) 2-y2)$

CAS Registry Number

Chemical or Trade Name Dibens[c,e][1,2]asaborine, 8-(2-bensowaroly1)-2-[4-(2-benzowaroly1)pheny1]-5,6-dihyto-6-[4-(1-pheny1-1H-bensimidasol-2-y1)pheny1]- (CA INDEX MAME)

CAS Registry Number 1115477-54-7 CAPLUS

Chemical or Trade Name
Disects[c,e][],2]smaborine, 6-[4-(2-benzothiazoly3)pheny1]-2-[4-(2-benzotazoly3)pheny1]-5,6-dihydro-8-(1-pheny1-1H-benzimidazol-2-y1)- [CA.ROMENNAM]

CAS Registry Number 1115477-57-0 CAPLUS

Chemical or Trade Mame Dibencic,e | 1.2 | sasboxime, 8-(98-carbazel-9-y1)-2,6-bis|6-(98-carbazel-9-y1)benz|1-5,6-dibyek- (CA 1986K NAME)

PAGE 2-A

CAS Requetry Number 1115477-60-5 CAPLUS

Chemical or Trade Mame
Dibens(c,e)[1,2]esaborine, 8-(98-carbazol-9-y1)-2-(4-(98-carbazol-9-y1))bens(l-9-carbazol-9-y1)bensyll-5,6-dihydro-6-(4-(1-phenyl-18-bensinidazol-2-y1)phenyl)- |CA

PAGE 1-A



CAS Registry Number 1115477-63-8 CAPLOS

Chemical or Trade Name Diberg[o,e][1,2]sasborine, 6-(3,5-di-98-carbasol-9-ylphenyl)-2-(3,5-di-3pyridinylphenyl)-5,6-dihydro- (CA INDEX NAME)

CAS Requetry Number 1115477-66-1 CAPLUS

Chemical or Trade Name
Diberglo,e][1,2]asaboxine, 6-(3,5-di-99-carbarol-9-ylphenyl)-5,6-dibydro-8(2-asequanolanyl)-2-(8-(2-isequanolinyl)-phenyl)- (CA INCEX NAME)

PAGE 2-A

CAS Registry Number 1115477-75-2 CAPLUS

Chemical or Trade Name 6H-Disens[0,e] [2] oxaborin, 6-[3,5-bis[trifluoromethyl]phenyl]- (CA INDEX NAME)

CAS Registry Number 1115477-78-5 CAPLOS

Chemical or Trade Name Pyridine, 2-(6H-dibenz[c,e][1,2]oxaborin-6-yl)- (CA INDEX NAME)

CAS Registry Number

Chemical of Trade Name 6H-Dibens(c,e)[1,2]oxabonin, 6-(1-naphthalenyl)- (CA INDEX NAME)



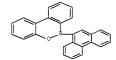
CAS Registry Number 1115477-85-6 CAPLOS

Chemical or Trade Name 6H-Dibenz[c,e][1,2]oxaborin, 6-(9-anthracenyl)- (CA INDEX NAME)



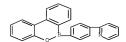
CAS Registry Number 1115477-88-7 CAPLUS

Chemical or Trade Name 6H-Dimens[0,+][1,2] oxaborin, 6-(9-phenanthrenyl) - $(CA\ INDEX\ NAME)$

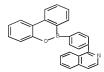


CAS Registry Number 1115477-91-2 CAPLOS

Chemical or Trade Name Pyridine, $2-[0-(60-{\rm dibenz}[c,e][1,2]]$ oxaborin-6-yl]pbenyl]- (CA INDEX NUME)



CAS Registry Number 1115477-94-5 CAPLOS



CAS Registry Number 1115477-96-7 CAPLUS

Chemical or Trade Name Fyridine, 3,3"-[5-(6H-dibens[0,e][1,2]oxaborin-6-yl)-1,3-phenylene]bis-(CA INEX: NAME)

CAS Registry Number 1115417-98-9 CAPLUS

Chemical or Trade Name SH-Carbanole, 9-[4-(6H-dibens[0,e][1,2]oxaborin-6-y1)phenyl]- (CA INDEX NAME)

CAS Registry Number 1115478-00-6 CAPLUS

Chemical or Trade Name SH-Castaxole, 9,97-[5-(6H-dibens[e,e][1,2]exaborin-6-yl)-1,3-phonylene]bis-(CA_IDEN_NAME)



CAS Requetry Number 1115478-02-8 CAPLOS

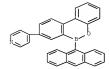
Chemical or Trade Name Fyriddine, 4-[6-[9-phenanthreny1)-6H-dibens[c,e][1,2]oxaborin-8-y1]- (CA TREEX NAME)

CAS Requetry Number 1115478-04-0 CAPLUS

Chemical or Trade Mane
Pyxidine, 4-[6-[1-naphthalenyi]-68-dibenx[0,e][1,2]oxaborin-8-yi]INDEX MANUAL

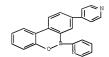
CAS Registry Number 1115478-06-2 CAPLOS

Chemical or Trade Name Fyridine, 4-[6-19-anthraceny1)-69-dibens[c,e][1,2]osaboxin-8-y1]- (CA NORE NAME)



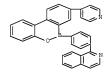
CAS Registry Number 1115478-08-0 CAPLUS

Chemical or Trade Name Fyridine, 2-(8-(4-pyridiny1)-68-dibens[c,e][1,2]emaberin-6-y1]- (CA INDEX



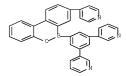
CAS Registry Number 1115478-10-8 CAPLUS

Chemical or Trade Name Isoquinoline, 1-14-(9-(6-pyx)idiny1)-6H-dibenz[0,e][1,2]oxaborin-6-yljbeny]] = (CA INNEX NAME)



CAS Registry Number 1115478-11-9 CAPLOS

Chemical or Trade Name
Pyridine, 3-[3-[3-pyridiny1)-5-[8-[4-pyridiny1)-6Hdibens[c,e][1,2]oxaborin-6-yl]pheny1]- (CA INDEX NAME)



CAS Registry Number 1115478-12-0 CAPLOS

Chemical or Trade Name Pyridine, 4-(6-[3,5-bis(trifluoromethyl)phenyl]-6Hdibens[c,e][1,2]osaborin-8-yl]- (CA INDEX NAME)

CAS Registry Number 1115478-13-1 CAPLUS

Chemical of Trade Name Isoquinoline, $1-(6-(9-anthraceny1)-6N-dibenz\{c,e\}\{1,2\}oxaborin-8-y1\}-$ (CA INDEX NAME)

CAS Registry Number 1115478-14-2 CAPLOS

Chemical or Trade Name 1H-Benzindszole, 2-(6-(9-anthracenyl)-6H-dibenz[c,e][1,2]osaborin-8-yl]-1-phenyl- (CA NDEX NAME)

CAS Registry Number 1115478-15-3 CAPLOS

Chemical or Trade Name iH-Benzizsdarole, 2-[6-(3,5-di-3-pyridinylphenyl)-6B-dibenz[0,e][1,2]oxaborin-8-yl]-1-phenyl- (CA INDEX NAME)

CAS Requetry Number 1115478-16-4 CAPLUS

Chemical or Trade Name 1H-Benzinidazole, 2-[6-(3,5-d3-3-pyridinylphenyl)-2,6-difluoro-6H-dibenz[c,e][1,2]oxaborin-8-yl]-1-phenyl- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name $(3,5-d3-3-pyridinylphonyl)=3-(trifluoromethyl)=68-dibers[c,e][1/2]ouaboin-8-yl]-1-phonyl- (CA_INDEX_NAMES)$

CAS Registry Number 1115478-19-7 CAPLUS

Chemical or Trade Name IM-Imidazole, 2-[6-19-anthracenyl)-6N-dibenz[c,e][1,2]oxaborim-8-yl]-1,4,5-triplenyl (CA INDEX NAME)

CAS Registry Number 1115478-22-2 CAPLUS

Chemical or Trade Mane $\begin{array}{ll} H=\theta_{01,1} & \text{indicated} \\ H=\theta_{01,1} & \text{indicated} \\ & 2-(4-[6-13,5-d1-3-pyx]d(my]gheny1)-\theta-(1-pheny1-1H-bernimidatol-2-y1)-\theta-(d-heminidatol-2-y1)-fill-d(CA-1MDEX-MAME) \\ & \text{FMGEX-MAME} \\ \end{array}$

ChS Registry Number 1115478-24-6 CAPLUS

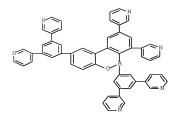
Chemical or Trade Name 11:-Deminidatels, 2-(4-[2-(3,5-di-3-pyridinylphenyl)-7,9-di-3-pyridinyl-68-dibent(e,6)(1,2)exaboran-6-yllphenyl-1-phenyl- (CA INCOC NAME)

PAGE 2-A

CAS Requetry Number 1115478-26-6 CAPLUS

Chemical of Trade Mane $\begin{array}{ll} \mathrm{H-Beninidazo1-2-y1)-6H-dibenz[o,e][1,2]oxaborin-2,6-diyl]di-6,1-phenylene]bis[1-phenyl- (CA mINEX NOWL)]. \end{array}$

CAS Registry Number 1115478-27-7 CAPLUS



CAS Registry Number 1115478-40-6 CAPLOS

Chemical or Trade Name 1,10-Themanthroline, 5-(68-dibens[e,e][1,2]exaborin-6-yl)- (CA INDEX NAME)

CAS Registry Number 1115478-42-6 CAPLUS

Chemidal or Trade blane 1,10-Phenanthroline, 5-[0-(1-imoquinoliny1)-60-dibenx[o,e][1,2]oxaborin-6-y1]- (CA TROEK 1006)

CAS Registry Number 1115478-45-9 CAPLOS

Chemical or Trade Marse 1,10-Phenathroline, 3= $\{\theta=(1-pheny1-10-phenxinidazo1-2-y1)-2-\{4-(1-pheny1-10-phenxinidazo1-2-y1)-pheny1-60-dibenx(c,e)\{1,2\}$ oxaborin-6-y1- (CA INDEX NAME)

CAS Registry Number 1115478-47-1 CAPLOS

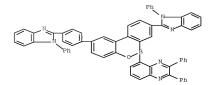
Chemical or Trade Name Guinosaline, 5-(68-dibens[o,e][1,2]oxaberin-6-yll-2,3-diphenyl- CCA INCEX NAME)

CAS Registry Number 1115478-48-2 CAPLUS

Chemical or Trade Mane Quinosaline, 5=[8-(1-isoquinoliny1)=6H-dibenz[c,e][1,2]oxaborin-6-y1]-2,3-dibenz[c,CAlDMER NAME)

CAS Registry Number 1115478-51-7 CAPLOS

Chemical or Trade Name Guinoxaline, 2,3-diphonyl-5-[8-(1-phonyl-18-benzimidazol-2-yl)-2-[4-(1-phonyl-18-benzimidazol-2-yl)phonyl-68-dibenz[0,e][1,2]oxaboein-6-yl]-(CA INDEX NNOS)



CAS Registry Number 1115478-53-9 CAPLUS

Chemical or Trade Name Bennowarole, 2,2=[[0-(2-bennowaroly1)=6H-bibenn[c,e][1,2]oxeborin-2,6diy]di-4,1-phenylene|bis- (CA INDEX NAME)

CAS Requetry Number 1115478-55-1 CAPLUS

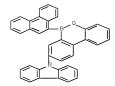
Chemical or Trade Name Benzothiazoly1)-631-bibenx[c,e][1,2]oxaborin-2,6-diy][di-4]-phoey/ere | bis- (CA INDEX NAME)

CAS Registry Number 1115478-56-2 CAPLOS

Chemical or Trade Name Benrovascle, 2-4=[6=(6=(2-benrothizzoly1)pbeny1]=8=(2-benroxazoly1)=60=dibenz[o, e][1,2]oxaborin=2-y1]pbeny1]= (Ch. INDEX NAME)

CAS Registry Number 1115478-59-5 CAPLOS

Chemical or Trade Masse 9H-Carbaxele, 9-[6-(9-phenanthrenyl)-6H-dibens[c,e][1,2]exaborin-8-y1]-(CA INGEX NAME)



CAS Registry Number 1115478-61-9 CAPLOS

Chemical or Trade Name $\begin{array}{ll} 98-\text{Carbarole, 9}=|4-|8-(1-\text{pheny1-18-benzimidazo1-2-y1})-68-\\ \text{dibeas(a,e]}[1,2]\text{osaborin-6-y1]pheny1}-& \text{(CA INDEX NAME)} \end{array}$

CAS Registry Number 1115478-63-1 CAPLUS

Chemical or Trade Name 2H-Carbarole, 9-[4-[6-(9H-carbarol-9-yl])-6H-dibenx[0,e][1,2]oxaborin-6-yl]phenyl] (CA INDEX NAME)

CAS Registry Number 1115478-64-2 CAPLUS

Cherical or Trade Mane Bennouarole, $2^{-1}(-1)^{-2}(-1)$

CAS Requestry Number

Chemical or Trade Name Bernothianue, 2-[4-[6-(1-phenyl-1B-benzimidazol-2-y1)-2-[4-(1-phenyl-1B-benzimidazol-2-y1)-2-[4-(1-phenyl-1B-benzimidazol-2-y1)-phenyl]-6B-dibenzimidazol-2-y1)-phenyl]- (CA-TROEK 1992)

CAS Registry Number 1115478-68-6 CAPLUS

Chemical of Trade Name Renroxaroly1)=6=[4=[2-pheny1=18-benzinidaxol=2-y1)pheny1=[6-dbenzinidaxol=2-y1)pheny1=[6-dbenzinidaxol=2-y1]pheny1= (CA INDEX INME)

CAS Registry Number 1115478-70-0 CAPLUS

Chemical or Trade Name Benrovascole, 2-[4-(6-(6-12-bensothiazoly))] when 2-(2-beny)=0 benramidatol-2-y11-68-dibens[0,e][1,2] oxabor[n-2-y1]] benry11- (CA IMMEX NAME)

CAS Requetry Number 1115478-73-3 CAPLUS

Chemical or Trade Name 2H-Carbarol-2-y1)-6H-bibenx[u,e][1,2]cmaborin-2,6-diyldi-4,7-phenylenplia- (CA INNEX MARK)

PAGE 2-A

CAS Registry Number 1115478-76-6 CAPLUS

Chemical or Trade Name SH-Carbarol-9-y1)-6-[4-(1-pheny1-1H-benzimidazol-2-y1)pheny1] (CA TROEX NAME)

PAGE 1-A



CAS Registry Number 1115478-79-9 CAPLOS

Chemical or Trade Name $9H\text{-Corbarole}, \ 9,9^*-[5-[2-(3,5-di-3-pyridiny]phenyl)-6H-dibecs [0,e][1,2]osaborin-6-yl]-1,3-phenylene]bis- (CA INDEX NAME)$

CAS Requetry Number 1115478-83-5 CAPLUS

Chemical or Trade Name 9H-Oschbard.pdf (-1-isoquinoliny1)-2-[4-(1-isoquinoliny1)pheny1)-6H-diben(c,e)[1,2]osborin-6-y1]-1,3-phenylene|bis- (CA. INDEX NAME)

PAGE 2-A

CAS Requetry Number 1115478-92-6 CAPLUS

Cheaical or Trade Name Diberos[o,e][1,2]sasborine, 6-(9-anthraceoy1)-3-[1,1*-bipberoy1]-2-y1-5,6-dipydro-10-pberoy1-(CA IMDEX NAME)

CAS Registry Number 1115478-95-9 CAPLUS

Chemical or Trade Mane Dibencic, θ =(9-anthracomyl)=2=[1,2*=biphenyl]=2=yl=5,6-dhydro=(0-phenyl= (CA_INDEX_MMME))



CAS Requetry Number 1115478-97-1 CAPLUS

Chemical or Trade Mare Dibens[c,s][1,2]asaborine, 3-[1,2*-bipbenyl]-2-yl-5,6-dibydro-6-[9pbenoathenyl-10-pbenyl- (CA INDEX NAME)

CAS Requetry Number 1115478-98-2 CAPLUS

Chemical or Trade Name Dibens(c,e)[1,2]samboxine, 2-[1,2'-bipbeny1]-2-y1-5,6-dibydxo-6-(9pbenschireny1)-3(-bipbeny)- (CA INDEX NAME)

CAS Registry Number 1115479-01-0 CAPLOS

CAS Registry Number 1115479-05-6 CAPLUS

Chemical or Trade Name 6H*-Disens(p,e)[1,2] exaborin, 6-(9-anthracemy1)-2-[1,1'-bipbeny1]-2-y1-10-pheny1-(CA INSES 9MSE)

CAS Registry Number 1115479-08-7 CAPLUS

Chemical or Trade blase 6H-Dibenc [0,0][1,2] oxaborin, 3-[1,1-bipheny1]-2-y1-6-(9-phenanthreny1)-10-pheny1-(2-XHGEK MOME)

CAS Registry Number 1115479-11-2 CAPLOS

Chemical or Trade Name | 68-Disease (0.0) [1.2] Oxaborin, 2-[1.1*-biphenyl]-2-yl-6-(9-phenanthrenyl)-10-phenyl- (CA INDEX NAME)

LB ANSWER 11 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accessor Number 2001 330783 CAPLUS <u>Full text</u>
Document Number 150 65449

Trie Blue phosphorescent indium complexes and light-emitting devices using them

An Arbeighorscher Indum compasse and hijber emergen gemein versig with an Arbeighorscher Indum Compasse and hijber emergen gemein versig with a Beren, Dorth A., Brown, Coy S., Yanger, Walter H., Barren, Edward Dorth A., Brown, Coy S., Yanger, Walter H., Barren, Edward Penetr Independ Copposite Storter

And England Copposite Storter

And En

Source PCT int Appl , 206pp CODEN PIXXD2

Document Type Patent Language English

PATENT NO.	KND	DATE	APPLICATION NO.	DATE	
WO 2008156879	A1	20081224	WO 2008-US56297	20050307	
US 20080297033	At	20081204	US 2006-44605	20060307	

Available of the completes are described by the permit formulas (i) = 1, 2 × 3 fills fills. F

CAS Requetry Number 1089735-06-7 CAPLUS

Chemical or Trade Mane 6-Fbenanthridinanine, 2,3-bis(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-09-0 CAPLUS

Chemical or Trade Name 6 (5H)-Phenanthridinone, 2-(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-10-3 CAPLUS

Chemical or Trade Name Phenanthridine, 6-chloro-2-(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 6-fbenanthridinanine, N=[2-bross-4-(2,2-dimethylpropyl)phenyl]-2-(1,1-dimethylpropyl)- [CA INDEX NAME)

CAS Registry Number 1089735-29-4 CAPLUS

Chemical or Trade Name Phenanthridine, 2-12,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-30-7 CAPLUS

Chemical or Trade Mane Phenanthridinium, 2-(2,2-dimethylpropyl)-5-(2-oxopropyl)-, bromide [1:1] (CA INDEX NAME)

● Br-

CAS Requetty Number 1089735-36-3 CAPLOS

Chemical or Trade Name 6-Phenanthridinamine, 2,3-bim(2-methylpropyl)- (CA INDEX NAME)

CAS Requestry Number 1089735-38-5 CAPLOS

Chemical or Trade Name 6-Fremanthridinamine, 2-(phenylmethyl)- (CA INDEX NAME)

CAS Regartry Number 855829-20-8 CAPLOS

Chemical or Trade Name 6-Phenanthridinamine, 2-methyl- (CA INDEX NAME)

CAS Registry Number 853953-32-9 CAPLOS

Chemical or Trade Name 6-Fbenanthridinamine, 9-fluoro- (CA INDEX NAME)

CAS Registry Number 943454-04-0 CAPLOS

Chemical on Trade Manne Phenanthridinium, 5-(2-exopyropy1)-, chloride (1:1) (CA INDEX NAME)

● C1-

CAS Requestry Number 946147-03-1 CAPLOS

Chemical or Trade Name 6-Fhemanthridinamine, 2,3-dimethyl- (CA INDEX NAME)

CAS Registry Number 946147-06-4 CAFLOS

Chemical or Trade Name 6-Phenanthridinamine, 4-bromo- (CA INDEX NAME)

CAS Registry Number 946147-22-4 CAPLUS

Chemical or Trade Name 6-Phenanthridinamine, 2-(1,1-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-24-6 CAPLUS

Chemical on Trade Name 6-Fbenanthridinesine, 2-bexyl- (CA INDEX NAME)

CAS Registry Number 946147-28-0 CAPLOS

Chemical or Trade Name 6-Themanthridinamine, 2-botyl- (CA INDEX NAME)

CAS Regastry Number 946141-30-4 CAFLOS

Chemical or Trade Name 6-Phenanthridinamine, 2-(1-methylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-35-9 CAPLUS

Chemical or Trade Name 6(5H)-Themanthridinose, 2,9-bis(1,1-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-36-0 CAPLOS

Chemical or Trade Name Phenanthradine, 6-chloro-2,9-bin(1,1-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-40-6 CAPLOS

Chemical or Trade Name 6 (58)-Fhenanthridinone, 10-methyl- (CA IMDEX NAME)

CAS Registry Number 946147-41-7 CAPLOS

Chemical or Trade Name Phenanthridine, 6-chloro-10-methyl- (CA INDEX NAME)

CAS Registry Number 946147-42-8 CAPLUS

Chemical or Trade Mane 6-Fbenachtridinamine, N=[2-broso-4=(2-methylethyl)phenyl]=10-methyl= (CA TRIDEX NUML)

CAS Registry Number 1089734-99-5 CAPLOS

Chemical of Trade Mane 6-Formathkidinamine, 2-(2-methylpropyl)- (CA INDEX NAME)

Chemical or Trade Name Phenoschridinium, 5-(4,4-dimethyl-2-oxopentyl)-2-methyl-, brosside (1:1) (CA INDEX NAME)

Br-

THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS) OS CITING BEF COUNT: 1

LB ANDWER 12 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2001 145/967 CAPLUS <u>Full-text</u>
Document Number 150,495-9

Blue phosphorescent indium complexes and light-emitting devices using them

Author Interference of County of State of

U.S. Pat Appl. Publ., 190 pp., Cont.-in-part of U.S. Ser. No. 764,565. CODEN: USXXXCO

PATENT NO	KND	DATE	APPLICATION NO.	DATE
US 20080297033	A1	20081204	US 2008-44605	20050307
US 20070190359	A1	20070816	US 2007-704555	20070209
EP 1981696	A2	20051022	EP 2007-750408	20070209
JP 2009526071	T	20090716	JP 2006-554393	20070209
WO 2008156879	A1	20081224	WO 2006-US56297	20050307
IN 2008 DN06353	A	20081024	IN 2008-DN6353	20080721
KR 2005095459	A	20051110	KR 2008-719429	20080807
CN 101415718	A	20090422	CN 2007-80008533	20080910

CAS Registry Number 1089735-06-7 CAPLUS

Chemical or Trade Name 6-Photasthridonawine, 2,3-bim(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number

Chemical or Trade Name 6(5H)-Phenanthridinone, 2-(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Requetry Number 1089735-10-3 CAPLUS

Chemical or Trade Mame Phenonthradume, 6-chloro-2-(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-11-6 CAPLOS

Chemical on Trade Name 6-Thomasthridinamine, N=[2-broso-4=(2,2-dimethylpropyl)phenyl]=2=(2,2-dimethylpropyl)= (C.INDEX NAME)

CAS Registry Number 1089735-29-0 CAPLUS

Chemical or Trade Name Phenometricidize, 2-(2,2-dimethylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-30-7 CAPLOS

Chemical or Trade Name Fhensathridinium, 2-(2,2-dimethylpropyl)-5-(2-oxopropyl)-, bromide (1:1) (CA IMEX NAME)

Me3C-CH2 N+ CH2Me

● Br-

CAS Registry Number 1089735-36-3 CAPLUS

Chemical or Trade Name 6-Fhenanthridinamine, 2,3-bis(2-methylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-38-5 CAPLOS

Chemical or Trade Name 6-Thomanthridinamine, 2-(phenylmethyl)- (CA INDEX NAME)

CAS Requetry Number 855829-20-8 CAFLOG

Chemical or Trade Name 6-Fbenanthridinamine, 2-methyl- (CA INDEX NAME)

CAS Registry Number 853953-32-9 CAPLOS

Chemical or Trade Name 6-Fbenanthridinamine, 9-fluoro- (CA INDEX NAME)

CAS Registry Number 943454-04-4 CAPLUS

Chemical or Trade Name Phenenthridinium, 5-(2-oxopropy1)-, obloride (1:1) (CA INDEX NAME)

● C1-

CAS Registry Number 946147-03-1 CAPLUS

Chemical or Trade Name 6-Phenanthridinamine, 2,3-dimethyl- (CA INDEX NAME)

CAS Registry Number 946147-06-0 CAPLUS

Chemical on Trade Name 6-Fbenanthridinamine, 4-brown- (CA INDEX NAME)

CAS Registry Number 946147-32-4 CAPLOS

Chemical or Trade Name 6-Themanthridinanime, 2-(1,1-dimethylethyl)- (CA INDEX NAME)



CAS Registry Number 946147-24-6 CATLUS

Chemical or Trade Name 6-Phenanthridinamine, 2-hexyl- (CA INDEX NAME)

Me— (CH2) 5

CAS Registry Number 946147-28-0 CAPLUS

Chemical or Trade Name 6-Fhomanthridinamine, 2-botyl- (CA INDEX NAME)

CAS Registry Number 946147-30-4 CAPLUS

Chemical of Trade Name 6-Fbernathridinamine, 2-(1-methylethyl)- (CA INDEX HAME)

CAS Registry Number 946147-35-9 CAPLOS

Chemical or Trade Name $6\,(SN)$ -Chemanthridinoce, 2,9-bis(1,1-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-36-0 CAPLUS

Chemical or Trade Mame Phenanthradine, 6-chloro-2,9-bis(1,1-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-40-6 CAPLUS

Chemical or Trade Name 6(5H)-Phenanthridinoce, 10-methyl- (CA INDEX NAME)

CAS Registry Number 946147-41-7 CAPLUS

Chemical on Trade Name Fhenanthridine, 6-chloro=10-methyl- (CA INDEX NAME)

CAS Requetry Number 946147-42-0 CAPLOS

Chemical or Trade Name 6-Themsantiredomaine, N=[2-bromo-4-(1-methylethyl)phenyl]-10-methyl- (CA INEX NBM)

CAS Requetry Number 1089734-99-5 CAPLUS

Chemical or Trade Name 6-Phenanthridinamine, 2-(2-methylpropyl)- (CA INDEX NAME)

CAS Registry Number 1089735-46-5 CAPLOS

Chemical or Trade Name Phenanthridinium, 5-(4,4-dimethyl-2-oxopentyl)-2-methyl-, bromide (1s1) (CA INCEA NAME)

● Br-

LB ANSWER 19 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2008 199717 CAPLUS <u>Put-inst</u> Document Number

149.577440

Title
Polymeric light emitting materials for thin kims, light emitting devices, plane light sources, display devices, organic transitions and solar cells

Polyment light emming.
Author/inventor.
Neguchi, Takanobu, Suzuki, Tomoyuki
Patent Assigne-Corporate Source
Surrismo Chemical Company, Limited, Japan

Source PCT Int, Appl., 76pp. CODEN. PDXXD2

Language Japanese Patent Information

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
WO 2008140057	A1	20081120	WO 2008 JP58664	20080509
JP 2008308671	A	20081225	JP 2008-123576	20080509
EP 2154174	At	20100217	EP 2008-752547	20080509

CAS Requetry Number 1082773-87-2 CAPLUS

Chemical or Trade Name 6H-Dimenso(b,d)pyran, 3,8-dibrono-6,6-dioctyl-, polymer with 2,2'-(1-pentyl-1,2-ethenediyl)bis|4,4,5,5-tetramethyl-1,3,2-diomaborolane)(CA_NDENS_NAME)

CRN 1092741-59-0 CMF C19 H36 B2 04

CN 2

CRUI 688013-66-3 CREF C29 H40 Re2 O

CAS Registry Number 1082773-89-4 CAPLUS

Chemical or Trade Mane (H-Dibanol b, 4) System, 3,8-discess-6,6-disstyl-, polymer with 2,2-(1-pheny)-1,2-thened(yl)bis|4,4,5,5-tetramethyl-1,3,2-disasborolane) (CX NDEX NAMA)

CM 1

CROX 916669-80-2 CMF C20 H30 B2 04

CKN 688013-66-3

CMF C29 H40 Bc2 0

CAS Registry Number 1082773-91-8 CAPLOS

Chemical or Trade Name 6H-Dibeano(h,0)pyram, 3,8-dibroseo-5,6-big[4-[1,1-dimethylethyl]phonyl]-, polymer with 2,2-(1-phonyl-1,2-ethenedlyl)big[4,4,5,5-tetramethyl-1,3,2-diazaborolan) (CA 106EX NAME)

CN 1

CMF 020 H30 H2 04

CN 2

CRUI 688013-70-9 CMF C33 H32 Re2 0

CAS Registry Number 1082773-93-0 CAPLUS

Chemical or Trade Name 6H-Dihematok, 0/2007, 200

CM 1

CRN 916669-80-2 CMF C20 H30 B2 04

CN 2

CMN 688013-66-3 CMF 029 H40 Br2 0

CN

CFN 198964-46-4 CMF CZ9 R40 Rc2

CAS Registry Number 1082773-95-2 CAPLOS

Chemical or Trade Name 6H-Dibmano(h,6)pyram, 3,8-dibtromo-6,6-dioctyl-, polymer with 2,7-dibromo-9-5-bind(e-lbexyloxy)phonyl)-9H-fluorene and 2,2'-1-[pentyl-1,2-etbnoadlyl)bln(d,4,5,5-tetcamethyl-1,3,2-diomaborolane) (CA_BEAK_NOB_CA_B

CM 1

CRS 1082741-59-0 CMF C19 H36 B2 04

CN 2

CROM 690994-34-4 CROM C37 H40 He2 O2

CN:

CRUR 688013-66-3 CRUF C29 H40 He2 0

CAS Registry Number 1082713-97-6 CAPLOS 2,2'-(3,9-diostyl-98-fluorene-2,7-diyl)bis[1,3,2-diosaborolane] and 2,2'-(1-pentyl-1,2-ethecedlyl)bis[4,4,5,5-tetrasethyl-1,3,2-diosaborolane], block (CA 1908E1908)

CM 1

CRM 1092741-59-0 CMF C19 H36 B2 04

CN 2

CRN 688013-66-3 CMF C29 H40 Re2 0

CN 3

CPS 372200-89-0 CMF C38 H38 Hs2 N2

CRS 210347-49-2 CRF C33 848 82 04

LB ANSWER 14 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2008 1238972 CAPLUS <u>Full-est</u>
Document Number 14.9.520961

Tite

Tile 18-20081

Republic method of the company of th

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
KR 2008091036	A	20081009	KR 2008-31843	20080404
WO 2008123722	A1	20081016	WO 2008-KR1943	20080405
EP 2134808	A1	20091223	EP 2008-741193	20080405

Assass The physiophrenitre-based agrae (pipe initing arranged a beam in formed formal formal

Chemical or Trade Name Phosphonium, [[2,5-dimethoxy-4-(6-oxida-6H-dibens[o,e][1,2]exephosphorin-6-yl)phonyl]pethylltriphetyl-, bromide (1:1) (CA INDEX NAME)

CAS Requetry Number 1073501-45-7 CAPLUS

Chemical or Trade Name
6H-Dikens[0,e][1,2]oxaphosphornn-6-carboxeldehyde, 6-oxide (CA INDEX NAME)

CAS Registry Number 1073501-34-6 CAPLUS

Chemical or Trade Name 6H-Dibers(r,e)[5,2]oxephorphorin, 6-(2,5-dimethoxy-4-methylphenyl)-, 6-oxide (CA INDEX NAME)

CAS Registry Number 1073501-35-5 CAPLUS

Chemical or Trade Mane SH-Dibers[o,e][1,2]oxaghosphorin, 6-[6-(hxomomethy1)-2,5-dimethoxypbiny1]-, 6-oxide (CA INDEX MANE)

CAS Registry Number 213741-48-1 CAPLUS

Chemical or Trade Name 1,4-Benzenedio1, 2-methyl-5-(6-oxide-68-dibenz[c,e][1,2]oxapbosphorin-6-yl)- (CA INDEX NAME)

CAS Requetry Number 1073501-47-9 CAPLUS

Chemical or Trade Mane 1,4-Anthracemedic, 2-(6-oxido-6H-dibens[c,e][2,2]oxaphosphorin-6-y1)-(CA INEX: NAME)

CAS Registry Number 1073501-37-7 CAPLOS

Chemical or Trade Name 6N-Gibers[c,e] [3,2]oxaphosphorin, 6-[4-[2-(4-fluorophenyl)ethenyl]-2,5-dimethoxyphenyl]-, Fouide (CA IMDEX NAME)

CAS Registry Number 1073501-07-1 CAFLOS

Chemical or Trade Name

6H-Dimens(0,e)[1,2]osaphosphorin, 6,6'-([1,1'-biphenyl]-6,4'-diyldi-2,1-ethecediyllbis-, 6,6'-dioxide (CA INDEX NAMS)

CAS Registry Number 1073501-38-8 CAPLUS

Chemical or Trade Name 6H-Dihems[0,e][1,2]oxaphosphorin, 6-[2,5-dimethoxy-6-[2-(1-naphthalenyl)ethenyl]phenyl]-, 6-oxide (CA IMDEX HAME)

CAS Registry Number 10735G1-39-9 CAPLUS

Chemical or Trade Mane Benzonitzile, 4-{2-(2,6-dimethoxy-6-(6-oxido-68dibenz(o.9|1,2)oxaphosphorin-6-yliphenyl]ethenyl)- (CA INDEX NAME)

CAS Registry Number 1073501-40-2 CAPLUS

Chemical or Trade Mane
6H-Dibens[0,e][1,2]oxaphosphorin, 6,6'-[1,3-phenylenebis[2,1-ethendiy1(2,5-dimethoxy-4,1-phenylene)]]bis-, 6,6'-dioxide (CA INDEX HAME)

CAS Registry Number

CAS Requetry Number 1073501-42-4 CAPLUS

Chemical or Trade Name $6R-Dibens[0,\phi]$ [1,2] oxephosphorphorin, 6,6-[1,2]-biphenyl]-4,6-diylbim-6,6'-dioxade (CA NDEX NAME)

CAS Registry Number 1073501-43-5 CAPLOS

Chemical or Trade Name 6H-Dibens [0,e] [1,2] oxephosphorin, 6,6'-(9,9-dibexyl-9H-flworene-2,7-diyl)bir, 6,6'-diwide (CA INDEX NAME)

CAS Registry Number 1073501-46-8 CAPLOS

naphthalenyl)phenyl]-, 6-omide (CA INDEX NAME)

CAS Requetry Number 1073501-48-0 CAPLUS

Chemical or Trade Name 6H-Diheas(0,*)[1,2] axaphosphorin, 6-(1,6-dinethoxy-2-anthraceny1)-,6-oxide (CA IDEX NAME)

CAS Registry Number 1073501-49-1 CAPLUS

Chemical or Trade Name 6N-0ibens[c,e] [1,2] oxephosphorin, 6-(1,4-dimethoxy-7-methyl-2-anthracenyl) = , <math>6-oxide (CA INDEX NUME)

CAS Registry Number 1073501-50-6 CAPLOS

Chemical or Trade Name (1,1"-Sipheny1)-4-asine, 2',5"-dimethoxy-4'-(6-oxido-68-dimenfo.e, 1]1,2'oxephosphorin-6-y1)-N.N-dipheny1- (CA INDEX NAME)

CAS Requestry Number 1073500-92-1 CAPLUS

Chrmical or Trade Name 6H-Dibern[0,4][1,2]ousphosphorian, 6-[6-[2-(6-fluorophenyl)ethenyl]-2,5-dimethoxyphenyl]-2-phenyl-, 6-ouside (CM. INDEX NAME)

CAS Registry Number 1073500-93-2 CAPLOS

Chemical or Trade Name

Benzenanine, 4-|2-|4-(2,8-dimethyl-6-oxide-60dibenz(c,e)|1,2)oxaphosphorim-6-yl)phenyl)ethenyl)-N,N-diphenyl- (CA

CAS Registry Number 1073500-94-3 CAPLUS

Chemical or Trade Name 6W-Dibenz[c,e][1,2]oxaphosphorn, 2=(1,1-dimethylethyl)=8-methyl=6=[4=[6-(6-oxide-6W-dibenz[c,e][1,2]oxaphosphorin-6-yl)phenyl]phenyl]phenyl]=, 6-oxide (GIMEX_NME)

$$\mathsf{t-Bu} \overset{\mathsf{CH}}{\longleftarrow} \mathsf{CH} \overset{\mathsf{CH}}{\longrightarrow} \mathsf{CH}$$

CAS Registry Number 1073500-95-6 CAPLOS

Chemical or Trade Mane
9H-Carbarole, 9-[4-[2-[2,5-dimethoxy-4-(6-oxido-6Hdibens [e,e][1,2]owsphosphorin-6-y1]phenyl]ethenyl]phenyl](CA INDEX
NAME)

PAGE 2-A

CAS Registry Number 1073500-96-5 CAPLUS

Chemical or Trade Name Benzemanne. 4-[2-(2-methoxy-6-oxido-6H-dibenz[o,e][1,2]oxaphosphorin-6-yi]etheny[]-N-[4-[2-[2-methoxy-6-oxido-6H-dibenz[o,e][1,2]oxaphosphorin-6-yi]ethenyi]-N-phenyi- ||C. ||TOEK NONE|

PAGE 1-A

PAGE 1-B

CAS Registry Number 1073500-97-6 CAPLOS

PAGE 1-A

$$\begin{array}{c} \text{MeO} \\ \end{array} \begin{array}{c} \text{CH} \\ \end{array} \begin{array}{c$$

PAGE 1-B

CAS Registry Number 1073500-98-7 CAPLUS

Chemical or Trade Name 68-client(c,e)[:,2]ossphosphorin, 6,6'-(sulfonyldi-4,2-phenylene)bis[2-(1,1-dinst)ylethyl1-5,0'-dinstbyl-, 6,6'-dioxide (CA INDEX NAME)

$$t-Bu$$

$$Me$$

$$Me$$

$$Me$$

$$Me$$

$$Me$$

CAS Registry Number 1073500-99-8 CAPLUS

Chemical of Trade Name 6H-Disens[0,e][1,2]oxephosphorin, 6,6'-[oxydi-4,1-phenylene]bis[1,2,3,4,8-pertamethy]-, 6,6'-disexide (CM_NMSEN_NMSE)

CAS Registry Number 1073501-00-6 CAPLOS

Chemical or Trade Name 6H-Gibens [c.e] [1,2] awaybouphorin, 6,6'-[Shenylphouphinylideme]di-4,1-phenylenblus[4-phenyl-, 6,6'-dioxide (CA INDEX NAME)

CAS Registry Number 1073501-01-5 CAPLOS

Chemical or Trade Name 6H-Dibens(n.e)[1,2]oxophosphorin, 6,6'-(1,4-phenylemedi-2,1-ethenediyl)bis-,6,6'-dixide (CA INDEX NAME)

CAS Registry Number 1073501-02-6 CAPLUS

Chemical or Trade Name 6H-Disensio, 6,6'-(1,4-naphthalenediyldi-2,1-ethecadylbis[2-(1,1-dimethylethyl)-, 6,6'-dioxide (CA INDEX NAME)

PAGE 1-A

CAS Registry Number 1073501-03-7 CAPLUS

Chemical or Trade Mame $6H^{-0.0}$ in $(-6,6)^{-0.0}$ (9,10-anthracenediyldi-2,1-etheodaylbls- $-6,6^{-0.0}$ in (CA INDEX NAME)

PAGE 1-A

PAGE 2-A



CAS Registry Number 1073501-04-8 CAPLUS

Chemical of Trade Name 6H-Dibens[6,4][1,2]oxaphosphorin, 6,6'=[[1,1'-biphery1]-6,4'-daylbis[2-methy1-2,1-ethemedy1]]bis-, 6,6'-dioxide (CA INDEX NAME)

CAS Registry Number 1073501-05-9 CAPLUS

Chemical or Trade Name 68-03/mem. 6,6'-[[1,1'-biphenyl]-4,4'-diylbis(1-phenyl-2,1-ethendiyl)bis(9-obloro-, 6,6'-dloxide (CA 1908X NAME)

CAS Registry Number 1073501-06-0 CAPLUS

Chemical or Trade Name
68-Dibens(c,e)[1,2]osaphoephorin-6-moetonitrile,
7,9-dibrono-6-[4-1]-2yaphor2-7,7,9-dibrono-6-oxido-68dibens(c,e)[1,2]osaphoephorin-6-92|stbny1]-2,2"-dimethyl[1,1"-bipbanyl]-62/lentylamely, 6-oxide (C. AUSKE NAME)

CAS Registry Number 1073501-08-2 CAPLUS

Chemical or Trade Name 9H-Carbanole, 9-ethyl-3,6-bis(6-oxido-68-dihens[0,e][1,2]oxaphosphorin-6yl)- (CA INDEX NAME)

CAS Registry Number 1073501-09-3 CAPLOS

Chemical or Trade Mare 6H-Dibenz[c,e][1,2]oxephosphorin, 6,6'-(9,9-dibeptyl-9H-Eluorens-2,7-diyl)bis-, 6,6'-dioxide (CA INCEX NAME)

CAS Registry Number 1073501-10-6 CAPLOS

Chemical or Trade Name 6H-Dimens(o,e)[1,2] oxasphosphorin-2-carbonitrile, 6,6'-(3,7-dimensofuransiy1) bis-, 6,6'-dioxide (CA INDEX NAME)

CAS Requetry Number 1073501-11-7 CAPLUS

Chemical or Trade Name 6H-Dihami (p,e) [3,2] oxaphosphorin, 6,6'-(3,7-dihemiothiophemediy1) bis-, <math>6,6'-(a) did (CA,TDEX,NAME)

CAS Registry Number 1073501-12-8 CAPLUS

Chemical or Trade Name 6H-Cibenz(c,c)[1,2]Oxaphosphorin, 6,6'-(5,5-dioxido-3,7-dibenzothiophenediyl)bis-, 6,6'-dioxide (CA INDEX NAME)

CAS Registry Number 1073501=13=9 CAPLOS

Chemical or Trade Name 6H-Diseas(a,e)[1,2] exaphosphorin, 6,6 -(1,3-butadiene-1,6-diyl)bis(2-chloro-6,6-dioxide (CA INDEX NAME)

CAS Requetry Number 1073501-14-0 CAPLOS

Chemical or Trade Mame 6H-0ibanz [0,e][1,2]oxaphosphorin, 6,6'-(5'-phenyl[1,1':3',1''-terphenyl]-4,4''-daylbar-<math>6,6'-dioxide [CA INDEX NAME]

CAS Requestry Number 1073501-15-1 CAPLUS

Chemical or Trade Name 6H-Diheam(0,e)[1,2]oxaphoephorin, 6-[6-(1-maphthaleny)]-2,5-bis(2-oxirany)nethoxy)phenyl)-, 6-oxide (CA INDEX NAME)

CAS Registry Number 1073501-16-2 CAPLOS

Chemical or Trade Mann 6H-Diberm[c,e][1,2]oxaphoephorin, 6-[0-(1-maphthalenyl)-2,5-bim(2-propyn-1-yloxy)phonyl)-, 6-oxide (CA INDEX NAME)

CAS Requetry Number 1073501-17-3 CAPLOS

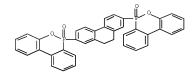
Chemical or Trade Name $6H-Dibenx\{c,e\} \ [1,2] \ oxephosphorin, \\ \ 6-\{6-(1-naphthaleny1)-2,5-bie\{(1,2,2-trifluoroetheny1) \ oxy] \ pheny1\}-, \\ \ 6-oxide \ (Ch INDEX NAME)$

CAS Registry Number 1073501-18-6 CAPLUS

Chemical or Trade Name 2-Propensia acid, 2-methyl-, 1,1'-[2-(6-oxido-68dibenz[c,e][1,2]oxaphosphorin-6-y2]-5-(1-maphthalenyl)-1,4-phenylene] sater (CA_RNEE_NDMS)

CAS Registry Number

Chemical or Trade Name 68-0ibenz[c,e][1,2]oxephosphorin, 6,6'-[9,10-dihydro-2,7-phenenthrenediy]]bis-, 6,6'-dioxide (CA IMOEX NAME)



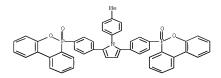
CAS Registry Number 1073501-20-8 CAPLUS

Chemical or Trade Name 6H-Dibens[e,e] [1, 2] oxophosphorin, e,e'-[2,7-phenanthrenediy1] bis-, e,e'-dioxide (CA INDEX NAME)

CAS Registry Number 1073501-21-9 CAPLUS

Chemical or Trade Name 6H-Dibens[o,e][1,2] oxephosphorphorin, 6,6'-[1,3-butadiyne-1,4-diyldi-4,1-pberylene] blue, <math>6,6'-dioxide [CA INDEX NAME]

CAS Registry Number 1073501-22-0 CAPLOS



CAS Registry Number 1073501-23-1 CAPLOS

Chemical or Trade Name (1,1"-Siphenyl)-4,4"-disenine, M4,M4"-bis(6-oxido-68-disenine,1]1,2)oxaphosphorun-6-y1)-M0,M4"-diphenyl- (CA INDEX NAME)

CAS Requetry Number 1073501-24-2 CAPLUS

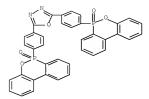
Chemical or Trade Mass 6H-Dibenz[0,e][1,2]oxaphosphorum, 6,6'-[[diphenylmilylene]di-4,1-phenylene]bis-, 6,6'-dioxide [CA INDEX NAME]

CAS Registry Number 1073501-25-3 CAPLUS

Chemical or Trade Name 68-Glbenz[c,c][1,2]oxaphosphorin, 6,6'-[[dimethylmilylene]di-4,1phonylene]bls-, 6,6'-dioxide [CA_INDEX_NAMS]

CAS Registry Mumber 1073501-26-0 CAPLOS

Chemical of Trade Masse 1,3,4-Oxadianole, 2,5-bis[6-(6-oxido-68-dibens[c,e][1,2]oxapbospbosin-6-yl)pšenyl] - (CA JNGC NAME)



CAS Requetry Number 1073501-27-5 CAPLUS

Chemical or Trade Name 6H-Dibens(n.e)[1,2]oxaphoephorin, 6-(7-fluoro-1,4-dimethoxy-2-anthracenyl)-,6-ox.1de (CA INDEX NAME)

CAS Registry Number 1073501-28-6 CAPLUS

Chemical or Trade Name 6H-Dihens(o.e)[1,2]oxephorphorum, 6-(8-Eluoro-1,6-dimethoxy-2-anthracemyl)-,6-oxide (CA INDEX NAME)

CAS Registry Number 1073501-29-7 CAPLOS

Chemical or Trade Name 6H-Disens[0,e][1,2]oxephosphorpin, 6-(5,6,7,8-tetrafluoro-1,4-dimethoxy-2-anthracenyl)-, 6-oxide (CA_INDEX_NAME)

CAS Registry Number 1073501-30-0 CAFLUS

6H-Dimens(o,e)[1,2]omophosphorin, 6-(1,4-dimethomy-5,8-dimethyl-2-anthracenyl)-, 6-omide (Ch INDEX NAME)

CAS Registry Number 1073501-31-1 CAPLUS

Chemical or Trade Name 6H-Dihems[0.e1]; 2]oxaphosphorin, 6-[7-(1,1-dimethylethyl)-1,4-dimethoxy-2-anthracenyl], 6-oxaphosphorin (CA INDEX NAME)

CAS Registry Number 1073501-32-2 CAPLUS

Chemical or Trade Name 2-Anthracerecarbonitrile, 5,8-dimethoxy-T-(6-oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)- (CA INDEX NAME)

CAS Registry Number 1073501-33-3 CAPLUS

Chemical or Trade Name 6H-Dibens(o,e)[1,2]oxaphosphorin, 6-(1,4-dimethoxy-5,6,7,8-tetrapheryl-2-anthracesyl-)-, 6-oxide (CA INDEX NAME)

LB ANSWER 15 OF 48 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2008 681976 CAPLUS FLEHELS

Document Number 150:251586

Aggregation-induced emission enhancement of phosphaphenanthrene containing P-phenylene dibenzoate and application to detection of transition metals

Author Inventor
Ozin, Li-Jun. Tong, Bin, Zhi, Jun-Ge, Yang, Fan, Shun, Jin-Bo, Shi, Jian-Bing, Dong, Yu-Ping
Patent Assigned Copporate Source
Oslega of Materials Source & Engineering, Beijing Institute of Technology, Beijing, 100081, Peop Rep China

College of Materials Science & Engineering, being estable or receiving, being Source Huasie Xuebao (2008), 66(9), 1134-1138 CODEN: HHHPA4; ISSN 0567-7351 Document Type

Language Chinese

Abstract Grant of the page (date shifting rands a date specified during the insidence is a ballowed into sold for the country and produce of the page (date shifting rands). It is not to be a sold of the country of the page (date shifting rands) is not produced by the page (date shifting rands) is not page (date shifting rands). It is not page (date shifting rands) is not page (date shifting rands) in the page (date shifting rands) is not page (date shifting rands). It is not page (date shifting rands) in the page (date shifting rands) is not page (date shifting rands) in the page (date shifting ran

Chemical or Trade Name 1,4-Sanzanediol, 2-(6-oxido-68-dibenz[c,e][1,2]oxaphosphorin-6-y1)-, 1,4-dibenzate (CA INDEX NAME)

THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS) OS CITING REF COUNT: 1

L8 ANSWER 16 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2008 471740 CAPLUS <u>Full-1925</u>

Document Number 148 437137

Manufacturing method of organic electroluminescent device and organic electroluminescent device

Author/Inventor Ishii, Takashi, Ito, Hiroki Patent Assignee Corporate Source Selko Epson Corp., Japan

Jpn. Kakai Takkya Kaha, 10pp. CODEN JKKXAF

Language Japanese Patent information

PATENT NO KIND DATE APPLICATION NO. DATE JP 2008091570 A 20080417 JP 2006-269923 20060929

Abstract
The Invention rates to a manufacturing method of an organic electrochemisescend direct companing a bole impedion layer containing a conductive polymer bearing an acidic dopper, and an opport, and an opport burniescent layer between a gent electrochem, wherein their brought layer and a fixed resistant layer bearing globs beared on the containing an acidic dopper, and an opport layer and a fixed resistant layer bearing globs beared on the containing an acid acid decides, wherein a fixed brought layer and a fixed resistant layer bearing globs beared to the containing an acid dopper, and an opport layer and a fixed resistant layer bearing globs beared to the containing an acid dopper, and an opport layer and acid dopper aci

CAS Registry Number 1018330-78-3 CAPLOS

Chemical or Trade Name 3,8-Thomasthridinediamine, N3,N3,N9,N8-tetra-1-maphthalenyl-6-phenyl- (CA NUMEY NAME)

```
LB ANSWER 17 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2001 14497 CAPLUS Fi6-927
Document Number 146 A0053
Title
          Inventor
Iwan, Agnieszka, Mazurak, Zbigniew, Kaczmarczyk, Bozena, Jarzabek, Bozena, Sek, Danuta
Patent Assignee Corporate Source
Centre of Polymer and Carbon Materials, Polich Academy of Sciences, Zabrze, 41-819, Pol.
```

Synthesis and characterization of polyketanis with 3,8-diamno-6-phenylphenanthridne movebes exhibiting light emitting properties. Molecular and supramolecular engineering concept

Spectrochimica Acta, Part A. Molecular and Biomolecular Spectroscopy (2008), 69A(2), 291-303 CODEN: SAMCAS, ISSN 1386-1425

Language English

For the Company of th Hit Structure

CAS Registry Number 1015942-46-2 CAPLOS

Chemical or Trade Name Kethanone, 1,1'-(1,4-phenylene)bis(1-phenyl-, polymer with 6-phenyl-3,8-phenonthridinedicaine (CA INCEX NAME)

CRN 52009-64-0 CNF C19 H15 N3

$$\underset{\text{H}_2N}{\text{NH}_2}$$

CRN 3016-97-5 CMF C20 H14 02

CAS Registry Number 1015842-48-0 CAPLUS

Chemical or Trade Name 2-Extens-1,6-dione, 1,4-diphenyl-, (2E1-, polymer with 6-phenyl-3,8-phenanthridinediamine (CA INDEX NAME)

CRN 52009-64-0 CRF C19 H15 N3

CRN 959-28-4 CMF C16 H12 02

CAS Registry Number 1015842-47-3 CAPLOS

Chemical or Trade Name 1,2-Ethaned.com, 1,2-diphenyl-, polymer with 6-phenyl-3,8-phenanthridinedicatine (CA INDEX NAME)

CN 1

CRN 52009-64-0 CMF C19 N15 N3

CRS 134-81-6 CMF C14 H10 02

LB ANSWER 18 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2007 907209 CAPLUS Full-923 Document Number 147 287842

Title
Metal complices of cyclometalisted implaze(1,2-(phenanthridne and demidaze(1,2-n-1)2-(quanazoline ligands and so-electronic and benzamulated analogs thereof Author limente
Author

Source
U.S. Pat Appl Publ., 101 pp CODEN USXXCO

Document Type Patent

Language English Patent Information

PATENT NO.	KND	DATE
US 20070190359	A1	20070816
WO 2007095118	A2	20070823
WO 2007095118	A3	20071206
EP 1981898	A2	20081022

WO 2007095118	A2	20070823	WO 2007-US3569	20070209
WO 2007095118	A3	20071206		
EP 1981898	A2	20081022	EP 2007-750405	20070209
JP 2009526071	T	20090716	JP 2006-554393	20070209
US 20080297033	A1	20081204	US 2005-44503	20080307
IN 2008DN06353	A	20081024	IN 2008-DN6353	20080721
KR 2008098489	A	20081110	KR 2008-719429	20060507
CN 101415718	A	20090422	CN 2007-80008533	20080910

APPLICATION NO. DATE US 2007-704585 20070209

Phosphreacent metal complexes comprising agriconstatitude limitace(† 2-8/phonantivistes and dimidzed(† 2-a 1/2-dpainszelles ligands, or isoelectroric or bentermated analogs thereof, we described. Organic light-entitles described complete are also described.

CAS Registry Number 853953-32-9 CAPLOS

Chemical or Trade Name 6-Fbenanthridinamine, 9-fluoro- (CA IMDEK NAME)



CAS Registry Number 85583G-85-2 CAPLOS

Chemical or Trade Name 6-Themanthridinamine, 2,4-dimethyl- (CA INDEX NAME)

CAS Registry Number 946147-03-1 CATLUS

Chemical or Trade Name 6-Phemanthridinamine, 2,3-dimethyl- (CA INDEX NAME)

CAS Registry Number 946147-06-4 CAPLOS

Chemical or Trade Name 6-Phenanthridinamine, 4-bromo- (CA INDEX NAME)

CAS Registry Number 946147-22-4 CAPLUS

Chemical or Trade Name 6-Fbenanthridinamine, 2-(1,1-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 246147-24-6 CAPLOS

Chemical or Trade Name 6-Fbenoathridinamine, 2-benyl- (CA INDEX NAME)

Me- (CH2)5

CAS Regartry Number 946147-28-0 CAFLOS

Chemical or Trade Name 6-Phenauthridinamine, 2-butyl- (CA INDEX NAME)

CAS Registry Number 946147-30-4 CAPLUS

Chemical or Trade Name 6-Themankhridinamine, 2-(1-methylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-35-9 CAPLUS

Chemical or Trade Name 6(SN)-Phenanthridinone, 2,9-bis(1,1-dimethylothyl)- (CA INDEX NAME)

CAS Registry Number 946147-36-0 CAPLOS

Chemical or Trade Name Phenaothriding, 6-chloro-2,9-bis(l,l-dimethylethyl)- (CA INDEX NAME)

CAS Registry Number 946147-40-6 CAFLOS

Chemical or Trade Mare 6(58)-Phenanthridinone, 10-methyl- (CA INDEX NAME)

CAS Registry Number 946147-41-7 CAPLUS

Chemical or Trade Name Fhemanthridine, 6-chloro-10-methyl- (CA INDEX NAME)

CAS Registry Number 946147-42-8 CAPLUS

OS CITING REF COUNTS 10 THERE ARE 10 CAPAUS RECORDS THAT CITE THIS RECORD (18 CITINGS)

LB ANSWER 19 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2007 727375 CAPLUS Fulnut

Document Number 147 128636

Title

Organic electroluminescent devroce, displays and it complex-derived macromolecular mate
Author/Inventor

Ostatio, Albrier, Teischacht, Yoshidei
Plant Ragines Corporate Source

Shows Deriver K. I., Span

Source Jpn. Koksi Tokkyo Koho, 35pp. CODEN: JKXXAF Document Type Patient

-ueni i	PATENT NO	VIND	DATE	APPLICATION NO.	DATE
	JP 2007169474			JP 2005-369456	20051222

Addressed

The materials, providing devices abovering high-party and emission and long service file, here repealing and derived from 1 complex ([Fit - Fit - In this), ratio, cyano, etc., Ci - C, N. O, 21 - atomic group forming 5 or 6—

The materials providing devices abovering high-party and emission of providing from the providing from the materials in organic polymer report of the materials of providing from the providing from materials in organic polymer report of the providing from the providing f

CAS Requestry Number 452070-83-6 CAPLOS

Chemical or Trade Name Phenanthridine, 6-(2-thienyl)- (CA INDEX NAME)

CAS Regastry Number

Chemical or Trade Name Phenanthridine, 6-|4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)

OS CITING REF COUNTS 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

LII ANSWER 20 OF 48 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2007 464123 CAPLUS PUR-SEAS

Document Number 146 471844

Title
Organic element for low voltage decircluminescent devices
Authoritemente
Bodge/ Wildem J. Hahner, Tularam K., Liso, Lang-Sheng, Spindler, Jeffrey P., Klubek, Kevin P.
Patent Resigned Corporate Source
Eastman Kodok Co., USA

Eastman Kodok Co., USA

Source
U.S. Pat. Appl. Publ., 70 pp., Conti-in-part of U.S. Ser. No. 259,290, abandoned. CODEN: USXXCO

Document Type Patent Language English

Patent Information

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
US 20070092759	A1	20070426	US 2006-501336	20050805
WO 2007050334	A1	20070503	WO 2006-US40303	20051012
EP 1941562	A1	20080709	EP 2006-825999	20051012
JP 2009514222	T	20090402	JP 2008-537758	20051012
US 20070207347	A1	20070906	US 2007-795953	20070430
CN 101292371	A	20081022	CN 2005-80039365	20080422
KR 2008063780	A	20080707	KR 2008-709767	20080424
US 20100019671	A1	20100128	US 2009-573175	20091005

Abstract CLCS device comprises a Curriculum a Carbon is figure serioring in a curricul and a cur

CAS Requetry Number 916986-85-1 CAPLOS

Chemical or Trade Name Phenod, 2-(6-phenosthridinyl)-, lithium malt (1:1) (CA INDEX NAME)



THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L8 ANSWER 21 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2007 461712 CAPLUS FL6-text

Document Number

146 471838

Organic element for low voltage electroluminescent devices

Author.Inventor
Begley, William J.; Rajeswaran, Mariju, Hatwar, Tukaram K.; Andrievsky, Natasha.
Patent AssigneeCorporate Source
Eastman Kodak Company, USA.

U.S. Pat Appl Publ., 48pp CODEN USXXXCO

Language English

PATENT NO	KND	DATE	APPLICATION NO.	DATE
US 20070092756	A1	20070426	US 2005-259586	20051026
WO 2007050301	A2	20070503	WO 2006-US39851	20051012
WO 2007050301	A3	20080912		
EP 1941563	A2	20080709	EP 2006-816782	20051012
JP 2009514215	т	20090402	JP 2008-537745	20061012

The contract contracts a statistic in [15] of military by a ratio and seads in the today, need to better the contract was proved by the military by a statistic provided provided contracts and the provided contr

CAS Registry Number 916986-85-1 CAPLOS

Chemical or Trade Name Phenol, 2-(6-phenanthridinyl)-, lithium salt (1:1) (CA INDEX NAME)



LS ANSWER 22 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2007;461663 CAPLUS Full-2025

Document Number 146 471837

Organic element for low voltage electroluminescent devices

U.S. Pat Appl Publ., 4tpp CODEN: USXXCO Document Type Patent

Language English Patent Information

PATENT NO	KND	DATE	APPLICATION NO.	DATE
US 20070092755	A1	20070426	US 2005-258740	20051026
WO 2007050303	At	20070503	WO 2006-US39854	20051012
EP 1940995	A1	20080709	EP 2006-816783	20051012
JP 2009514217	T	20090402	JP 2008-537747	20061012

AD COLOR of the comprises a carbon is digit entiting layer and a mode, it has after any comprise, it is after lay to could between the color of any the light entitle countries (it is brown to record to control of the color of

CAS Registry Number 916986-85-1 CAPLUS

Chemical or Trade Name Phenol, 2-(6-phenanthridinyl)-, lithium malt (lil) (CA INDEX NAME)



, LB: ANSWER 23 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accessor Number 2007-44150 CAPLUS P.53-9-2. Document Number 146.471356

Trie Organic element for low voltage electroluminescent devices

Organic awarehin no tan vurenga-Author/Inneside Begley, William J., Hatwar T.Karam K., Andrievsky, Natasha. Patent Assigne-Corporate Source Eastman Kodsk Company, USA.

Source
U.S. Pat Appl Publ., 51pp CODEN USXXXCO

Document Type Patent

Language English

Patent Information

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
US 20070092754	Ai	20070426	US 2005-258719	20051626
WO 2007050302	Ai	20070503	WO 2006-US39853	20061012
EP 1940997	A1	20050709	EP 2006-625811	20061012
JP 2009514216	T	20090402	JP 2006-537746	20051012

A DUED dwive comprises a cathode, a light emitting layer and an acode, in that order, and comprising (i) in the light-emitting layer at least 1 light emitting compound selected from arrive containing monospyl, amine containing distryl, arrive accordance globally in the light-emitting compound selected from arrive containing monospyl, amine containing distryl, arrive accordance globally in the light-emitting compound and point a least a comprise of a location, it will be larved the personal can do it as least a cat occupies of a location, it is also occupied to a location globally in the light emitting compound and point a least a cat occupies of a location, it is likely in the light emitting compound and point a least a cat occupies of a location, it is likely interested to personal can discuss device device developed in the larved and accordance an

CAS Registry Number 916986-85-1 CAPLUS

Chemical or Trade Name Phenol, 2-(6-phenochhridinyl)-, lithium malt (1:1) (CA INDEX NAME)





LB ANSWER 24 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2007 461638 CAPLUS <u>Full-feat</u> Document Number 146 471635

Organic element for low voltage electroluminescent devices Organic element or an virulage enter-Author/Investor Begley, William J., Hahwar Tukaram K., Andrievsky, Natasha. Patent Assigner Corporate Source Eastman Kodak Company, USA

U.S. Pat Appl Publ. 48pp CODEN USXXXCO

Document Type Patent

Language English

Patent Information PATENT NO. KIND DATE APPLICATION NO. DATE US 20070092753 A1 20070426 US 2005-258671 WO 2007050331 A1 20070503 WO 2006-US40236 20061012 EP 1941564 A1 20080709 EP 2006-825972 20051012 JP 2009514221 T 20090402 JP 2008-537757 20061012

Abstract CDD dates reception, controls in Egit setting by or of an exist, in the other developed by the control of the plant control of the plant control of the control of the plant control of the cont

CAS Registry Number 916986-85-1 CAPINS

Chemical or Trade Name Phenol, 2-(6-phenosthridinyl)-, lithium malt (1:1) (CA INDEX NAME)

● L:

OS CITING REP COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

```
L8 ANSWER 25 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN
Accession Number
2008 1344343 CAPLUS Full-inst
Document Number
147:277990
                         Synthesis and electroluminescent properties of conjugated copolymer containing phenothissone and phenonthistine unit
                         Inventor
Han: Yoon Soo, Kim, Sang Dae, Kwon, Younghean, Choi, Kyu-Han, Park, Lee Soon
Patent Assigned Corporate Source
Deegu Gyeongbuk Institute of Science and Technology, Taegu, S. Korea
                         Molecular Crystals and Liquid Crystals (2006), 459, 119-128 CCCEN MCLCD8, ISSN 1542-1406
Language
English
  The companied occopiume, polytic of enhances due in Paparametro and polytic PTRS, who accomplishes before a companied occopiume and the companied occopium and and the companied occopiume and the companied occopium and the companied occopiume and the companied occopium and and the companied occopium and the companied occopium and the companied occopium and the companied occopium and the companied occ
                         Chemical or Trade Name 10H-Phenothianine-3,7-dicarboxaldehyde, 10-[2-ethylbexyl]-, polymer with 6-phenyl-3,9-phenothridinedisense (CA INDEX NAME)
                           CRN 403610-12-8
CMF C22 H25 N 02 S
                         CN 2
                         CRN 52009-64-0
CMF C19 H15 N3
                                                                                                                                                                                                                NH2
```

LB ANSWER 26 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2006 1339043 CAPLUS Full text

Document Number 146 71617

Organic element for low voltage electroluminescent devices employing a mixed layer of a polycyclic aromatic compound and a metal compound

OS CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

Author Inventor Bogley, William J., Hather, Tukaram K.; Rajeswaran, Manju; Andrievsky, Natasha Parlenti Assignee Corporate Source — Eastman Kodek Company, USA

Source
U.S. Pat Appl Publ., 48pp., Cont.-in-part of U.S. Sei No. 156,302. CCCEN: USXXCO Document Type Patent

Language English

Patent Information

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
US 20060286405	A1	20061221	US 2005-259472	20051026
US 20060286402	A1	20051221	US 2005-156302	20050617
WO 2006138075	A2	20051228	WO 2006-US21358	20050602
WO 2006138075	A3	20070816		
EP 1891692	A2	20080227	EP 2006-771886	20050602
EP 1891692	81	20081015		

JP 2008547196	T	20081225	JP 2008-516910	20050602
KR 2000025371	A	20010320	KR 2007-729281	20071214
CN 101199063	A	20010611	CN 2005-80021616	20071217

ACCISION To County high entiting doos (ALED divisior with robused date voltage are described within comparis a controls, a high entiting layer and an across, in that could not have not has because the controls and the light entiting layer and an across, in that could not have the not because the controls and the light entiting layer also or complete of an alkalar all solvine as in most affect that the discrete

Chemical or Trade Name Phenol, 2-(6-pheronthridinyl)-, lithium malt (1:1) (CA INDEX NAME)



OS CITING PEF COUNTS 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

LB ANSWER 27 OF 48 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2006 1028402 CAPLUS <u>Pul-test</u>
Document Number 143 92009

Microorganism cell detection method using fluorescent indicator

Author/Inventor
Horikiri, Shigetoshi
Patent Assignes/Corporate Source
Matsushita Bectino Industrial Co., Ltd., Japan

Jpn Kokai Tokkyo Koho, 10pp CODEN JKXXAF

ument Type Patent

tent Information JP Abstract

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
JP 2006262775	A	20061005	JP 2005-85504	2005032

Asserted.

Asserted in the consequence and development method a provided which corresponding a Security and Asserted in the consequence and a security of the consequence and a

CAS Registry Number 211566-66-6 CAPL/08

Chemical or Trade Mane Fhomanthridinium, 3,8-diamino-5-bexyl-6-phenyl-, iodide (lsl) (CA INDEX NAME)

LS ANSWER 28 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN coession Number 2006 630771 CAPLUS <u>Ful-brys</u>

ent Number 145:124968

Trite

Polymer compound and its use in heat-resistant polymer light-emitting device

Author/inventor

Nonpaud Corpany Stooyauh, Saroshe
Paud Corpany Saroshe
Saroshe Corpany Saroshe
Saroshe Corpany, Limited, Japan
Source
POT Int Appl , 194 pp. CODEN PIXXXXX
Document Type
Language
Apparete
Patent Information

nformation				
PATENT NO.	KIND	DATE	APPLICATION NO	DATE
WO 2006070848	A1	20060705	WO 2005-JP24011	20051221
JP 2006182920	A	20060713	JP 2004-378517	20041228
GB 2437213	A	20071017	GB 2007-14555	20051221
DE 112005003270	T5	20080410	DE 2005-112005003270	20051221
US 20080145571	A1	20080619	US 2007-722225	20070620
KR 2007090041	A	20070904	KR 2007-717119	20070725
CN 101124259	A	20080213	CN 2005-80048421	20070817

Abstract Discouncing a polymer companied characterized by containing a structure represented by this following formula I along A and ring B independently represent an an optionally substituted aromatic hydrocarbon ring, and ring C represent an alcycle hydrocarbon which contains no fused aromatic companied while heaving at least one substituent, the alcycle hydrocarbon may contain a fluetration).

It Discussive

CAS Requetry Number 896732-77-7 CAPLUS

Chemical or Trade Mane 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 5,9-dibromo-3,3',5',5'-tetramethylapiro[7H-benzo[c]fluorene-7,1'-cyclobrane] (9C1) [CA INDEX MODE)

CRN 896732-73-3 CMF C26 H26 Rr2

CN 2

CRN 688013-66-3 CMF C29 840 Mr2 0

OS CITING REF COUNTS 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L8 ANSWER 29 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN ACCASION Number 2005 94/100 CAPLUS F16-36/29
Document Number 145/39/20

Tife
Amnoarthy's ubothled compounds and arganic electrolaminescent devices therewish having high color pushy and efficiency
Author Investic
Salto Akte, Chinaka, Krişi, Yamada, Nadel, Yajima, Masshika, Senco, Akhirio, Ueno, Ksounen
Patent Asignes Corporate Soune
Control No., Soune

Jon. Kokai Tolikiya Kaho, 38 pp. CODEN JHXXAF Document Type Patent Language Japanese Potent Information

P	ATENT NO.	KIND	DATE	APPLICATION NO.	DATE
J	2006151844	A	20060615	JP 2004-342464	20041126

Abdation
This composition are operationable [12] is angle bond, alternatives passible on, etc., Art = (acciphonomhreno, accomplathyleno, etc., Art = (acciphonomhreno, accomplathyleno, etc., Art = abyl, arallyl, aryl, etc.; X1 = single bond, oryleno, etc.; N1, R2 = H, D, halo, abyl, etc., Art = (a, c = 1-d). Organic layers of this devices after encitoned contain the composition. The devices after encitoned contain the composition of the compositio

Chemical or Trade Name 9-Anthracenessne, N.W-big(4-methylphenyl)-10-(6-phenanthridinyl)- [CA INDEX NAME)

Chemical or Trade Name 9-Anthracensmine, N,N-bis(6-methylphemyl)-10-(9-phenanthridinyl)- (CA NUMEX NAME)

890042-96-5 CAPLUS

Chemical or Trade Mame 9-Acothracumentum, 10-13-(1,1-dimethylethyl)-5-(6-phensethridinyl)phenyl)- (CA INDEX NAME)

CAS Registry Number 890042-19-0 CAPLOS

Chemical or Trade Name Frensethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX DAMAGE)

CAS Registry Number 890042-20-3 CAPLUS

Chemical or Trade Mame Phenenthridine, 9-[4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA NOBE NAME)

OS CITIMO REF COUNT: 4 THEME ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITIMOS)

, LB ANSWER 30 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2006 21250 CAPLUS FIGURE 2006 21250 CAPLUS FIGURE 14490737

Title
Polymer luminescent material composition and polymer **light-cmitting** devices
Author/Inventor

Ustani Yasunori; Shirasawa Nobuhike; Nakanishi, Hirotoshi Patent Aczignee Corporate Source Sumrtomo Chemical Company, Limited, Japan

Source PCT Int. Appl., 82 pp. CGDBN P0CXD2
PCT Int. Appl., 82 pp. CGDBN P0CXD2
Document Type
Patent
Language
Japanese

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006025290	A1	20060309	WO 2003-JP15606	20050823
GB 2432838	А	20070505	GB 2007-5585	20050823
GB 2432838	в	20090218		
DE 112005002083	T5	20070719	DE 2005-112005002083	20050823
GN 101048465	A	20071003	CN 2005-80036762	20050823
JP 2006097008	A	20060413	JP 2005-250978	20050831
JP 2006169502	A	20060629	JP 2005-250979	20050631
KR 2007061840	A	20070514	KR 2007-707064	20070320
US 20090039765	A1	20090212	US 2007-574029	20070821

A polymer universized marked connections of connections by comparing a polymer furnishment and and a compound elected from among compts, of the bileway general formulas (s. 10 / N. Helen X, 16 an atom connection group forming or 6 or 6 members deling polymer with the fault conflicts being conflicted polymer (s. 10 / N. Helen X, 16 and 20 /

Hill Structure

Chemical or Trade Name 68-Dibenzo(b,d)pyran, 3,8-dibromo-6,6-bis(3-methylbutyl)- (CA INDEX NAME)

CAS Registry Number 878557-66-5 CAPLUS

Chemical or Trade Name 9H-Carbarole, 9,97-[6,6-bis(3-methylbutyl)=6H-dibenzo[b,d]pyran-3,8-diylbis- (Ch 1905x NAME)

OS CITING REF COUNTS 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

LIS ANSWER 31 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2006 152088 CAPLUS Full-fluid Document Number 144339664

Theoretical study of Ir(III) complexes of fluorinated phenylbenzequinoline as red phosphorescent material

Author Timedoc.

Author Timedoc.

Lee: Young Heel: Park, No Gill: His Yunkyoung: Kim, Young Sik.

Patient Assignee-Corporate Source

Dispartment of Molecular Electronics Engineering, Hongik University, Secul, 121-791, S. Korea.

Source Agents of ourself of Applied Physics, Plant 1: Regular Papers, Brief Communications & Review Papers (2006), 45(18), 563-567 CODEN JAPHOE Document Type

Language English

Into compose with functionable 4-bocoquarities (picts) bytics were designed and described their. The factors Foot (FIT) evelous with the 3.0 (((i))) base or lated in Actionable ((i)) ((iii)) and (iii) and (

Chemical or Trade Name Phenanthridine, 6-(4-fluorophenyl)- (CA INDEX NAME)

CAS Registry Number 880493-15-2 CAPLUS

Chemical or Trade Name Phenenthridine, $\delta - |4-({\rm trifluoromethyl})phenyl] - (CA INDEX NAME)$

THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS) OS CITING REF COUNTS 2

L6 ANSWER 32 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

ion Number 2005:324209 CAPLUS <u>Fifthers</u>

142 374970

Polymer light-emitting material and polymer light-emitting device

Polymer light-emming maximu wax polymer age.

Arboritrivation.

Nakatani, Tomoya, Sekine, Chu, Mikami, Satoshi, Kobayashi, Satoshi
Pateni Assigne Corporate Source
Sumitoms Chemical Company, Limited, Japan

PCT int Appl., 111 pp. CODEN: PIXXD2 Document Type Patent

Information				
PATENT NO	KIND	DATE	APPLICATION NO.	DATE
WO 2005033174	A1	20050414	WO 2004-JP14569	20040926
DE 112004001858	TS	20060727	DE 2004-112004001856	20040928
GB 2424895	A	20061011	GB 2006-8519	20040928
GB 2424895	В	20080709		
CN 1863838	A	20061115	CN 2004-80028951	20040928
JP 2005126705	A	20050519	JP 2004-286813	20040930
US 20070051922	A1	20070308	US 2006-573839	20060329
KR 2006115861	A	20061110	KR 2006-708210	20050428

Deboted is a polymer light emillion natural containing a polymer composed with number a everage neal weight at 1 is 2-visit composed of imposition gains in a first an emillion frequency of the first o CAS Requetry Number 688013-66-3 CAPLUS

Chemical of Trade Name 68-Diberce(b,d)pyram, 3,8-dibromo-6,6-dioetyl- (CA INDEX NAME)

CAS Registry Number 849693-56-7 CAPLOS

Chemical or Trade Hame Spiro(Shribhemon(hod)pyrann6,9'=[91]Sloorene], 3,8-shibreen-3',6'-bir(cetylowy)-, polymer with 3,8-shibreen-3',6-doctyl-68'-directo(hod)pyran (901) (CA INDEX NAME)

CN 1

CESR 688013-72-1 CMF C41 846 Br2 03

CH .

CRM 688013-66-3 CMF C29 N40 Ne2 O

L8 ANSWER 33 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2003 32046 CAPLUS FL6-592* Document Number 142 364456

Organic electroluminescent devices with high efficiency and excellent stability on repetitive uses and materials therefor Author/Inventor

triventor Onikubo, Shunichi, Enokida, Toshio, Suda, Yasumasa, Toba, Yasumasa, Kimura, Yasunori, Kaneko, Tetsuya

Patent Assignee Corporate Source Toyo Ink Mig. Co., Ltd., Japan

Jpn. Kokali Talkiya Koho, 35 pp. CODENI JKXXAF Document Type Patent

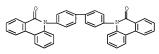
Language Japanese Patent Information

PA	TENT NO	KIND	DATE	APPLICATION NO.	DATE
JP	2005089544	A	20050407	JP 2003-322556	20030916
JP	4380277	B2	20091209		

The materials contain (a) compols having double bond-containing electron-withdrawing groups on asseptie and (b) phosphorescent materials, where one of the double bond-forming to C atoms is a part of ring and the other is not. The asseptic compols may be acrident device. Organic LED having organic layers including one or more computed of the above materials are further claimed.

His Drupture

Chemical or Trade Name 6 (58)-Phenanthridinone, 5,5'=(1,1'-baphenyl]-4,4'-diylbir- (9CI) (CA INDEX NAME)



THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS) OS.CITING REF COUNT: 1

LB ANSWER 34 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2004-1128942 CAPLUS <u>Full-ted</u> Document Number

Color conversion film for organic electroluminescent device

Author Inventor Imura, Kyotosh; Doi, Shuji

Patent Assignee Corporate Source Sumforno Chemical Co., Ltd., Japan

Source Jpn. Kokaii Tokkyo Koho, 24 pp. CODEN: JKXXAF Document Type Pasent Language Japanese

Abstract

Potent	Information				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

The invention relates to a color conversion film, suited for use in an organic electrolum escent device, comprising a fluorescent and/or phosphorescent conjugated polymer Hit Structure

CAS Registry Number 811819-84-8 CAPLOS

Chemical or Trade Name 2,1,3-Mennothiadianole, 4,7-bis(5-bromo-4-bexyl-2-thienyl)-, polymer with 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolam-2-yl)-60-dibentolb,4]pyram [9C1] (Ch. 1906x NAME)

CH 1

CRN 688013-75-4 CMF C41 864 82 05

CPOR 444579-39-9 CMF C26 H30 Hr2 N2 E3

OS CITING REF COUNTS 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD

LB ANSWER 35 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2004 928765 CAPLUS <u>Full-hus</u>

nent Number 141 403234

Phenanthridinones, their charge-transporting materials or electroluminescent materials, and organic electroluminescent devices using them

Author Inventor Takeuchi, Masako, Sato, Hideki Patent Assignee Corporate Source Misubishi Chemical Corp., Japan

Jpn Kokai Tokkyo Koho, 49 pp. CODEN: JKXXAF

Language Japanese Patent Information

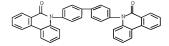
PATENT NO. KIND DATE APPLICATION NO. DATE JP 2004307380 A 20041104 JP 2003-102100 20030404

It The pharamtridicrones are I (X = n-valent linkings boosted to C or N atom in borstene sings, C and N atoms which are not bonded to the linkage may be substituted, n = 2, 3). Thus, I (X = 1,4-shwnylene bonded to N, n = 2) was manufactured and used as a hole-preventing layer for an organic electrohuminescent device showing law operation voltage.

CAS Registry Number 786720-61-4 CAPLUS

Chemical or Trade Mane 6(58)-Phenanthridinone, 5,5'-(1,4-phenylene)bis- (CA IMDEX NAME)

Chemical or Trade Name 6(SB)-Phenanthridinone, 5,5'-[1,1'-bipheny1]-4,4"-diyibis- (9CI) (CA INDEX NME)



Chemical or Trade Name 6 (58)-Thenanthridinone, 5-(6-bromophenyl)- (CA INDEX NAME)

CAS Registry Number 186720-63-6 CAPLOS

Chemical of Trade Masse 6(58)-Phenanthridinone, 5-[4-(4.4.5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl] (CA DMGCN NAME)

OS CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD 11 CITINGS)

LIS ANSWER 36 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2004 392502 CAPLUS Full-903

Document Number 140,415047

High-molecular compounds and polymer light- emitting devices made by using the same

High-molecular components in Authoritimentor Doi, Shuji Kobayishi, Batoshi, Noguchi, Takanobu Patenti Assignie Corporate Source Sumbario Chemical Company, Limited, Japan

PCT Int. Appl., 131 pp. CODEN: PIXXD2

PATENT NO.	KND	DATE	APPLICATION NO.	DATE
WO 2004039859	A1	20040513	WO 2003-JP12697	20031003
JP 2004168999	A	20040617	JP 2003-343244	20031001
AU 2003268752	A1	20040525	AU 2003-268752	20031003
EP 1571170	A1	20050907	EP 2003-748697	20031003
US 20080138651	A1	20080612	US 2005-532937	20050428
JP 2009215557	A	20090924	JP 2009-67794	20090319

position that 31 and 37 must us to be some soft that 31 and 44 as is broaded range to the adjusted subbor allows constituting the available field of \$4.1. and \$2.2 to soft or an obstacle constituting the summarised of \$4.1. and \$2.2 to soft or an obstacle description of the adjustment of the adjustm

CAS Requetry Number

Chemical or Trade Name 6H-Dibenzo(b,d)pyram, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)

CAS Registry Number 688013-67-4 CAPLOS

Chemical or Trade Name 6H-Dihenzo(b,d)pyram, 3,8-dibromo-6,6-bis(3-methylbutyl)- (CA INDEX NAME)

CAS Registry Number 688013-68-5 CAPLOS

Chemical or Trade Name 68-Gibromo-6,6-Gibbergl- (CA INDEX NAME)

CAS Registry Number 688013-69-6 CAPLUS

Chunical or Trade Name 6H-Jahense (5H-Jahense b, 6-bis[4-(octyloxy)phenyl] (CA INCEX NAME)

CAS Registry Number 688013-10-9 CAPLUS

Chemical or Trade Mare 6H-Dibensolb.djpyran, 3,8-dibromo-6,6-bis[4-(1,1-dimethylethyl)phenyl]-(CA INCEX NAME)

CAS Registry Number 688013-71-0 CAPLOS

Chemical or Trade Name 6H-Dibenzo(b,0)pyram, 3,8-dibromo-6,6-big(3',4',5'-tripbenyl[1,1'+2',1''-terpbenyl]-6-y1)- (CA INDEX NAME)

CAS Requetry Number 688013-75-4 CAPLUS

Chemical or Trade Name 68-Dibenso(b,d)pyram, 6,6-dioctyl-3,8-bis(4,6,5,5-tetramethyl-1,3,2-dioxaborolam-2-yl= (CA INDEX NAME)

CAS Registry Number 688013-76-5 CAPL/78

Chemical of Trade Name Phenanthriding, 3,8-dibromo-6-(octyloxy)- (CA INDEX NAME)

688913-17-6 CAPLUS

Chemical or Trade Name 6(5H)-Phenanthridinone, 3,8-dibromo-5-octyl- (CA INDEX NAME)

CAS Requetry Number 688013-78-7 CAPLOS

Chemical or Trade Name 6H-Gibenzo[b,d]pyram, 3,8-dibrome-6,6-diectyl-, homopolymer (9CI) [CA INDEX NAME.

×

CRS 688013-66-3 CMF C29 840 Re2 0

CAS Registry Number 688013-79-8 CAPLOS

Chemical or Trade Name 6H-Dihenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 1,4-dibromo-2,5-bis(decyloxy)benzene (9DI) (CA INDEX NAME)

CN 1

CRUN 688013-66-3 CMF C29 H40 Br2 0

CN

CRN 152269-98-2 CMF C26 H44 Bs2 O2

CAS Registry Number 688013-80-1 CAPLOS

Chemical or Trade Name 8H-Ciberro 6, 6-dioctyl-, polymer with 3, 7-dibros-2, 8-bis(octyloxy)dibancothiophene (9CI) (CA INDEX NAME) CM

CRE 688013-66-3 CRF C29 840 Rr2 0

CN 2

CRS 599212-67-6 CMF C28 H38 Rr2 02 S

CAS Registry Number 688013-81-2 CAPLOS

Chemical or Trade Name 68-Gibenzo(b,d)pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis(octylosyldibenzofuren (SCI) (CA INDEX NAME)

CN 1

CRN 688013-66-3 CMF C29 840 Br2 O

CPS 599212-92-7 CNF C28 H38 Rr2 O3

CAS Registry Number 688013-83-4 CAPLUS

Chemical or Trade Name 68-Obleans 0,8-dibromo-6,6-dioctyl-, polymer with 1,1'-(1,2-etherediyl)bis[4-bromo-3-(decylosy)benbene] (9CI) (CA INDEX NAME)

CM 1

CRS 688013-82-3 CMF C34 H50 Be2 02

CRM 688013-66-3 CMF C29 840 Bc2 0

CAS Registry Number 688013-84-5 CAPLOS

Chemical or Trade Name Benzenanine, N.N-bir(d-bromophenyl)-4-(1-methylpropyl)-, polymer with 3.0-dibromo-5,-6-diortyl-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

CN 1

CRN 688013-66-3 CMF C29 840 Bc2 0

CN 2

CRN 287976-94-7 CMF C22 H21 Br2 N

CAS Registry Number 688013-85-6 CAPLOS

Chemical or Trade Name 1,6-Senzenedianine, N,81-bis[4-becomphenyl]-N,81-bis[4-butylphenyl]-, polymer with 3,8-dibromo-6,6-dioctyl-68-dibenzo[6,d]pyram (9CI) (CA INDEX NAME)

CK 1

CRS 688013-66-3 CMF C29 840 8c2 0

CM 2

CRM 312200-89-0 CMF C38 M38 Be2 M2

Chunical or Trade Nume
1,4-Pennanedianine, N,8'-bis(4-becophanyl)-N,8'-bis(4-botylphanyl)-,
polymer with 3,8-dibrano-6,4-dioctyl-SH-dibraro(b,d)pyran (SCI) (CA INDEX
NRMS)

CN 1

CMM 688013-66-3 CMM C29 M40 Mc2 0

CN 2

CPS 372200-89-0 CMF C38 H38 Br2 M2

CAS Registry Number 688013-86-7 CAPLOS

Chemical or Trade Name 1.6-Benzenedianine, N.M'-bis(4-bustylphenyl)-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzethiophene and 3,8-dibromo-6,6-diotyl-68-dibenzo(b.dlpyxon (SCI) (CA INDEX NAME)

CM 1

CRS 688013-66-3 CMF C29 H40 Be2 0

CH 2

CHR 599212-67-6 CMF C28 838 8s2 02 S

ON 3

CRN 372200-89-0 CMF C38 H38 Hr2 N2

CAS Registry Number 688013-87-8 CAPLUS

Chemical or Trade Name 6H-Dibenso(b,d)pyram, 3,8-dibromo-6,6-bis[4-(octyloxy)pbenyl]-, homopolymer (901) (CA INDEX NAME)

CM 1

CPON 688013-69-6 CMF C41 H48 Be2 03

CAS Registry Number 688013-88-9 CAPLUS

Chemical or Trade Name 1,0 = bis (4-bromoghenyl) = N,8 = bis (4-butylphenyl) = polymer with 3,8-dibromo-6,6-bis (4-botylphenyl) = polymer with 3,8-dibromo-6,6-bis (4-botylosy)phenyl) = 68-dibromo(b,d]pyram (901) (04 NDEX NAME)

ov

CRM 688013-69-6 CMF C41 H48 Be2 03

CAS Requetry Number 688013-89-0 CAPLUS

Chemical or Trade Name 6H-Dikenso(b,d)pyram, 3,8-dikromo-6,6-bis(3',4',5'-tripbenyl[1,1':2',1''-texpbenyl[-6-y1]-, homoplymer (9CI) (CA INDEX NAME)

CRN 688013-71-0 CMF C85 B56 Bc2 0

OS CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD

L8 ANSWER 37 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2003 494585 CAPLUS FL6-text

Document Number

140 32970

Highly efficient red electrophosphorescent devices based on inform isoquinoline complexes. Permarkable external quantum efficiency over a wide range of current

Author inventor
Su, Ying-Ju, Huang, Heh-Lung, Li, Chien-Le, Chien, Chin-Haung, Tao, Yu-Tai, Chou, Pi-Tai, Datta, Swarup, Liu, Rai-Shung
Patent Assignes Copprais Source
Department of Chemistry, National Tsinghau University, Hainchu, 30043, Taiwan

Advanced Materials (Weinheim, Germany) (2003), 15(11), 884-888 CODEN ADVMEW, ISSN 0935-9648

Language English

Another Ano

CAS Registry Number 632335-04-7 CAPLOS

Chemical or Trade Name Phenanthridine, 6-14-fluorophenyl)- (CA INDEX NAME)



OS CITING REF COUNT: 142 THERE ARE 142 CAPLUS RECORDS THAT CITE THIS RECORD (146 CITINGS)

LB ANSWER 38 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2001/450802 CAPLUS <u>Full-best</u>

139 36964

Fluorescent polymer, their preparation and polymer light-emitting device

- Author firmetors — un imperimentation in imperime

Source Eur Pat Appl , 58 pp CODEN EPXXDW

nformation				
PATENT NO.	KND	DATE	APPLICATION NO.	DATE
EP 1318163	At	20030611	EP 2002-256395	20021205
EP 1318163	Bi	20100127		
SG 124249	A1	20050830	SG 2002-7169	20021127
JP 2003231741	A	20030819	JP 2002-347573	20021129
JP 4192578	82	20081210		
TW 268941	8	20051221	TW 2002-91134721	20021129
US 20030168656	A1	20030911	US 2002-309101	20021204
EP 2057807	A1	20090610	EP 2009-4354	20021203
EP 2067808	A1	20090610	EP 2009-4355	20021205
US 20050042195	A1	20050224	US 2004-954223	20041001
US 7662476	82	20100216		
US 20080103278	A1	20080501	US 2007-955788	20071213
JP 2008179821	A	20080807	JP 2008-17653	20000129
JP 2009001804	A	20090108	JP 2008-174340	20080703

A
A
A polymer of Me 103-108 comprises a repeating unit 1, where A1 = deviated group in which the bond distance rate (bond distance of C(e)-A1 / bond distance of C(e)-C(b)) is 21.10, R1-6 = H, skyl, skyl, srylary, srylar

CAS Registry Number 540536-33-2 CAPLUS

Chemical or Trade Name Dibecco(c,e][1,2]dithiin, 2,9-dimethoxy- (CA INDEX NAME)

CAS Registry Number 540536-20-7 CAPLUS

Chemical or Trade Name 1,4-Benzenediamine, N.N'-bis(4-bromogheny1)-N.N'-bis(4-buty1pheny1)-, polymes with 3,6-dibromo-2,9-bis(octyloxy)dibenzo(0,e)[1,2]dithiin [SCI) (CA IDEE NAME)

CK

CRN 540536-09-2 CMF C28 H38 He2 O2 52

Me-
$$(CH_2)$$
 γ - 0 Br

CEUR 372200-89-0 CMF C38 H38 Hc2 N2

CAS Registry Number 540536-09-2 CAPLUS

Chemical or Trade Name Dibenze(c,e][1,2]dithlin, 3,8-dibromo-2,9-bis(octyloxy)- (CA INDEX NAME)

$$Me-(CH_2)7-0$$

$$Me-(CH_2)7-0$$

$$Br$$

$$S^{-5}$$

OS CITING HER COUNT: 11 THEME ARE 11 CAPEUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

Title Syntheus and luminescent characteristics of novel phospharus containing light-emitting polymers. Author Linearizet Sur, 194-Min Patert Acaptive Corporate Source Taisson.

Source Source
U.S. Pat Appl Publ., 16 pp. CODENI USXXXCO
Document Type
Patent

Language English

PATENT NO. KND DATE APPLICATION NO. DATE US 20020193522 A1 20021219 US 2001-079963 20010614

The power invention visition is synthesis of novel turnescene prosphorus containing high centified polymers with improved turnescener elitionery. According to the progress of membrane in the power invention of the electron-terropolitic containing to the electron terropolitic containing contained to the electron terropolitic containing cont Hit Structure

CAS Requetry Number 313271-84-0 CAFLOS

Chemical or Trade Name | 1.4-Senzementol, 2-(6-oxido-48-dibens[o.e][1.2]oxaphosphorin-6-yl)-, polymer with 2,5-bis(4-fluorophenyl)-1,3,4-oxadissole (SCI) (CA INDEX INDEX)

CM 1

CRN 99208-50-1 CMF C18 H13 04 P

CRN 324-81-2 CMF C14 HB F2 NZ O

CAS Requetry Number 313272-86-2 CAPLUS

Chemical or Trade Name [1,1'-Bapheny1]-2,5-diol, 4-[6-oxido-6N-dibenx[c,e][1,2]oxaphosphorin-6-yl)-, polymer with 2,5-bix[4-fluoropbeny1]-1,3,4-oxadiazole [9CI] (CA TROKK NME]

CM 1

CRN 313271-85-1 CMF C24 H27 04 P

CPON 324-81-2 CMF C14 H8 F2 N2 O

CAS Registry Number 313271-87-3 CAPLOS

Chemical or Trade Maze 1,4-Maghthalenedio1, 2-(6-oxido-68-dibens[c,e][1,2]oxaphoaphotin-6-y1-polymer with 2,5-bis(4-fluorophenyl)-1,3,4-oxadiasole (9CI) (CA INDEX NAME)

CH 1

CRS 101394-28-5 CMF C22 H15 04 P

CM 2

CNN 324-81-2 CNF C14 H8 F2 M2 O

$$\bigcap_{i=1}^{N}\bigcap_{i=1}^{$$

LB ANSWER 40 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2002747004 CAPLUS F<u>Lid 905</u> Document Number 137 279633 Tife

Production of novel polymers with excellent electronic acceptability for electroluminescent materials

Production or manage.

Author/Inventor

Yamanoto, Ryuichi, Cui, Bing Ji

Patient Assignes Corporate Source

TDK Corporation, Japan

a Jpn. Kokai Tokkyo Koho, 25 pp. CODEN: JKXXAF

Language Japanese Patent Information

PATENT NO. KIND DATE APPLICATION NO DATE JP 2002284862 A 20021003 JP 2001-86128 20010323

Abstract
The record electronic excessing polymer, usually an electrochronic mitteds and ballary active mitteds, etc. for clotals, processors repeating and sturture above by formula is a principal chair, wherein X1 and X2 independently respected abstract is, etc., 0, 2, etc., 3 when forming powers mitted, etc. for a 2 when forming powers mitted, etc. for a 3 when forming powers mitted, etc. in a 2 when forming power mitted and etc. in a 2 when forming profite ring, Y = 57 house members of mitted, etc. in a 2 when forming power mitted and etc. in a 2 when forming power mitted is a 2 when forming power mitted in a 2 when forming power

CAS Requetry Number 464895-31-6 CAPLUS

Chemical or Trade Name Benzo[c]cinnoline, 3,8-dibromo-, homopolymer (9CI) (CA INDEX NAME)

CRN 79580-35-1 CNF C12 R6 Rc2 N2

_Br

CAS Registry Number 464895-38-3 CAPLUS

Chemical or Trade Name Poly(benzo(c)cimnoline-3,8-day1) (9CI) (CA INDEX NAME)

OS CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

```
LB ANSWER 41 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2002 501831 CAPLUS Full-text Document Number
```

137.217326

Studies on the synthesis and optical properties of novel blue light-emitting polymers containing phosphorus and oxadiazole structures

Authorimentor
Sun, Yih-Min, Hung, Albert Y. C.; Wang, Chib-Ta
Platent Assignme Corporate Source
Dispartment of Industrial Salety and Hygene, Chang Heia College of Medical Technology, Tanas Hasen, Tawan

a Journal of Applied Polymer Science (2002), 85(11), 2567-2376 CODEN JAPNAB, ISSN 0021-8995

Language English

The contract of the contract o

CAS Registry Number 313271-87-3 CAPLOS

Chemical or Trade Name 1,4-Daphthaleosdiol, 2-(6-oxido-68-dibenn(c,e)[1,2]exaphosphorin-6-yl)-, polymer with 2,5-bim(4-fluorophenyl)-1,3,4-oxadianole (SCI) (CA IMBEX NAME)

CN 1

CRN 107394-28-5 CMF C22 H15 04 F

CRN 324-81-2 CMF C14 H8 F2 N2 O

CAS Registry Number 455291-10-8 CAPL/G

Chemical or Trade Name 1,4-Maphthalenediol, 2-(6-oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)-, polymer with 2,5-bis(4-fluoro-1-naphthalenyl)-],3,6-oxadiarole (SCI) (CA INDEX MANE)

CRN 148140-89-0 CMF C22 H12 F2 H2 O

CRS 107394-28-5 CMF C22 H15 04 P

CAS Registry Number 455291-12-0 CAPLOS

Chemical or Trade Name 1,4-Taphthalenediol, 2-(6-oxido-6H-dibenz[c,e][1,2]oxaphoephorin-6-yi)-, polyner with 1,6-dibenobexame (9C1) (CA INDEX NAME)

CRN 107394-28-5 CMF C22 H15 04 F

CRN 629-03-8 CMF O6 H12 Be2

Br- (CH2) 6-Br

OS CITING REF COUNT: 12 THERE ARE 12 CAMIUS RECORDS THAT CITE THIS RECORD (12 CITINGS)

19. Months at CF or CAPLUS COPPRINT 2019 ACS on STM Accessed Market Documents on the CAPLUS (Edited) Documents of the CAPLUS (Edited) That 142222 Tale

Ito Yuichi; Ogino, Kenji; Sato, Hisaya

Parent Assignee Corporate Source Toppan Printing Co., Ltd., Japan

Source Jpn. Kokai Tokkyo Koho, 6 pp. CODEN: JKXXAF

Document Type Patent

Language Japanese Patent Information

PATENT NO. KIND DATE APPLICATION NO. DATE JP 2000327664 A 20001128 JP 1999-135808 19990517

7.
The claimed derivs, are represented by a (R1 = Me, Et, aryl, draylamino, R2 = Ph, tolyl, naphthyl, etc.) which show excellent heat resistance and low resistivity.

Chemical or Trade Name 3,8-5eananthridinediamine, N3,NB-di-1-naphthalony1-N3,NB,6-triphony1- (CA NAME NAME)

CAS Registry Number 309756-35-6 CAPLOS

Chemical or Trade Name Phenosthridine, 3,8-diredo-6-phenyl- (Ch INDEX NAME)

LB ANSWER 43 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN

Accession Number 2004 T39337 CAPLUS Exilians Document Number 134.170519

Trie

Preparation of organic light- emitting polymers and study of film structure influence on luminescent characteristics Author/Inventor Sun, Yih-Min, Liu, H. H., Juang, Fuh-Shyang, Tasi, Y. S.

Patent AssignmeCorporate Source
Department of Industrial Safety and Hygiene, Chung Hwa Institute of Technology, Tainzn, Taiwan

Proceedings of SPIE-The International Society for Optical Engineering (2000), 3939(Organic Photonic Materials and Devices III), 236-246 CODEN PSISDG, ISSN 10277-786X Document Type Journal

Language English

Secret Reporting transporting intermotions were introduced to emission playance in transact & declaration inferior. Devent amount or amonghore also were upstranded by decondensate in in the destroit in resourcing or transporting in the control produced produced by the control produced by the c

Chemical or Trade Name [1,17-Siphemy]-2,5-diol, 4-[6-oxido-6H-dibenx[c,e][1,2]oxaphosphorin-6-vi- [CA 1708E Name]

CAS Registry Number 313271-84-0 CAFLOS

Chemical or Trade Name 1,0-Senzedo-68-dibems[c,e][1,2]oxaphosphorin-6-y1)-, polymer with 2,5-bis(4-fluoropheny1)-1,3,4-oxasdianole (SCI) (CA INDEX NAME)

CK

CFOR 99208-50-1 CMF C18 B13 04 F

CH 2

CRN 324-81-2 CMF C14 88 F2 N2 O

CAS Registry Number 313271-86-2 CAPL/79

Chemical or Trade Mare [1,]"-Exphenyl"-2,5-diol, d-[6-oxido-68-dibens[c,e][1,2]oxaphosphorin-6-yl)-, polymer with 2,5-bis[4-fluorophenyl]-1,3,4-oxadiazole (9CI) (CA INDEX DAME)

CM 1

CRN 313271-85-1 CMF C24 B17 04 F

CH 3

CRN 324-81-2 CMF C14 H8 F2 N2 O

CAS Registry Number 313271-87-3 CAPLUS

Chemical or Trade Name 1,4-Naphthaleasdio], Z=(6-oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl]-, polymer with 2,5-bis(4-fluorophenyl)-1,3,4-oxasdisole (9C1) (CA INDEX NAME)

CM 1

CPN 107394-28-5 CMF C22 H15 04 F

CPS 324-81-2 CMF C14 H8 F2 N2 O

$$\bigcap_{i=1}^{N}\bigcap_{i=1}^{$$

LB ANSWER 44 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 2002/19761 CAPLUS <u>Pub-te-s</u>
Document Number 124/87319

Dite

Synthesis and luminescent characteristics of nevel phosphorus containing fight-emitting polymers

Plant Augment Copporate Students and Augment Students Stu

Document Type Journal

Language English

Exploit

Space

Open City Germitting cools of CLDH have been developed secondly, however, he efficiency of effective/eminement devices reads to be further represent. The effect of efficiency in the effective developed in the effective developed and recognized and recognized entry the effect of efficiency in the efficiency

Chemical or Trade Name 1, debraced in Fig. 1, e.g., and the state of the state of

CM 1

CRM 99208-50-1 CMF C18 H13 04 P

2

CNN 324-81-2 CNF C14 H8 F2 N2 O

CAS Registry Number 313271-86-2 CAPLOS

Chemical or Trade Name (1,17-Suphenyl)-2,5-diol, 4-16-oxido-69-dibens[0,e][1,2]oxaphomphorin-6-yl)-, polymer with 2,5-bis[4-fluorophenyl]-1,3,4-oxadiazole (9CI) (CA TRONK NAME)

CN 1

CMS 313271-85-1 CMF C24 H17 04 P

CM

CRN 324-81-2 CMF C14 H9 F2 N2 O

313271-87-3 CAPLUS

Chemical or Trade Mane 1,4-Naphthalenedio1, 2-(6-oxido-6H-dibenz[c,e][1,2]oxaphoaphorin-6-y1)-, polymer with 2,5-bis(4-Eluorophenyl)-1,3,4-oxadiaxole (9CI) (CA IMDEX NAME)

CM 1

CRN 107394-28-5 CMF C22 H15 04 P

CM 2

CRN 324-81-2 CMF C14 HB F2 N2 O

OS.CITING REP COUNT: 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS RECORD (21 CITINGS)

L8 ANSWER 45 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 1998 614438 CAPLUS FL6-text

Document Number 129 283255

Organic film, organic electroluminescent device, and electrophotographic photoreceptor

Author/Inventor Harmada, Yuji, Sano, Keniji, Fujita, Massayuki, Nishio, Yoshifaka, Shibata, Kenichi

Patent Assignee Corporate Source Sanyo Electric Co., Ltd., Japan

Source Jpn Kokai Tokkyo Koho, 7 pp CODEN JKXXAF
Document Typie
Fatient
Language
Agamese
Patent Information

PATENT NO	KIND	DATE	APPLICATION NO	DATE
JP 10251634	A	19980922	JP 1997-54962	19970310
JP 3557071	B2	20040825		

Assisted
The little contains a phenomitroden demonstral in a dipheniphrone group-containing phenomitroden demonstral in a dipheniphrone group-containing phenomitroden demonstral in a dipheniphrone group-containing phenomitroden demonstral in a dipheniphrone group decrease and device contains the defection in a 1-100. The device has a flow or produce contains the defection and in a decrease group decrease. The device contains the defection as a disperient in a light emitting layer. The efficiency of the device contains the hold-intercopting layer.

He discusses

Chemical or Trade Name Phenonthridine, 3,8-di-2-naphthalenyl-6-phenyl- (CA INDEX NAME)

CAS Requetry Number 213322-19-3 CAPLUS

Chemical or Trade Mame 3,8-Chemanthridinediamine, N3,N3,N8,N8-tetrakis(3-methylphenyl)-6-phenyl-(CA INSEX NAME)

LB ANSWER 46 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 1996/612623 CAPLUS <u>Planes</u>

Document Number 125:234014

Manufacture of electroluminescence device

Manufacture of enemona.

Author-Inventor
Sato Yoshiharu, Kanas Hiroyuki, Ichinosawa, Akiko
Patera Assignee/Corporate Source
Mitsubish Chemical Corp., Japan

Source

Source

Pulser! Tookyo Koho, 10 pp CODEN JKXXAF

Document Type

Pulser!

Language

Appanese

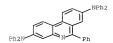
Pulser Information

Abstract

PATENT NO	KIND	DATE	APPLICATION NO	DATE
JP 08185979	А	19960716	JP 1995-318	19950105
JP 3552317	B2	20040811		

The manufacture of an electroluminescence device, involves the aging treatment of the device, applying 5-1000 times of the cid used in the normal operation. His Structure

Chemical or Trade Name 3.8-Ptenanthridinediamine, M3, M3, M8, M8, 6-pentaphenyl- (CA INDEX MAME)



L8 ANSWER 47 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accessed Number 1995 974156 CAPLUS FAMILES

Tife Organic field-effect electroluminescent device with high luminance Author/Invester Satis, Yoshiharu, Johinosawa, Alikio Patient Assignee Copyrate Source Patient Assignee Copyrate Source Author Satisface Copyrate Source

Misubish Kagasu nn, Japani Scurce Jpn Kokal Tokkyo Koho, 10 pp. CODEN JKXXAF Document Type Patent I nonunne

Language Japanese Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07252474	A	19951003	JP 1994-45569	19940316
JP 3284737	B2	20020520		

n.
The device has an organic hele-transporting layer containing an arom armine I [Art 2 = (substituted) only, biphwyr), aromatic helerocyclic group, Ri-7 = H, hate, OH, (substituted) (unjustrusted alliphatic hydrocarby), aromatic hydrocarby, allowy, aryloxy, diskly lamme, distrylamme) and an organic light-territing layer between a cathode and an aroda. The device shows high luminance and luminescent efficiency. Hit Structure

Chemical or Trade Name 3,8-Phenanthridinediamine, N3,N3,N8,N8-tetraphenyl- (CA INDEX NAME)

CAS Regastry Number 171411-27-1 CAPLUS

Chemical or Trade Name 3.8-Thomashridinediamine, N3,N3,N8,N8,6-pentaphenyl- (CA INDEX NAME)

L8 ANSWER 48 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 1995 794902 CAPLUS FLE-WILL

Document Number 123 183661

Trite Functional thin tilm, production and application thereof

Functional trin time processors and Author/Inventor Saj. Totsuo Patent Assignee/Corporate Source Dainichiseika Color Chem., Japan

Dainchiselka Color Chem , Japan
Source
Jpn: Kokai Tokkya Koho, 41 pp. CODEN: JKXXAF
Document Type
Patent
Language

Japanese

dent	information				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07062594	A	19950307	JP 1993-234301	19930827
	ID opposed	80	100011110		

Additional Tests I III., usual for a color bifur, electropholog, device, photogenous, solar cost, electrofenaminescensor device, special recoloring device, optical invariance device, optical electrodrical in the color and in serious. It is related to serious as the serious, is prepared by an electrodrical invariance to a uniform a serious as the serious, is prepared by an electrodrical invariance to a uniform a serious as the serious as

CAS Registry Number 167856-97-5 CAPLOS

Chemical or Trade Name
Foly(oxy=1,2-wthanediy1), @=[2-bydroxy=3=[4-[(6-oxo=6H-dibenco(b,d)pyran=2-y1)aro]phenoxy]propy1]-@-bydroxy= (9CI) (CA INDEX DMEZ)

CAS Registry Number 167857-07-0 CAPLUS

Chemical or Trade Name Polylowy-1,2-ethanedjyl), $\alpha=[0-[(5,6-dihydro-5-methyl-6-oxo-2-phenanthridinyl)ano]phenyl]-<math>\alpha$ -hydroxy- (9CI) (CA INDEX NAME)

L8 ANSWER 49 OF 49 CAPLUS COPYRIGHT 2010 ACS on STN Accession Number 1995 205571 CAPLUS FL6-text

Document Number 122.67927

Trie

Organic electrolumanescent devices

Author/Inventor

Shibata, Toyoko; Suzuki, Shinichi, Takeuchi, Shagele
Patent Assignes Corporate Source
Konstrolu Photo Ind, Japan

Jon. Kokali Telikiya Kaho, 15 pp. CODEN: JKXXAF Document Type Patent Language Japanese Potent Information

PATENT NO. KIND DATE APPLICATION NO. DATE JP 06122874 A 19940506 JP 1993-209660 19930824

Accessed:
The Selection common intercoming and placegate larger or it is in . Rit = (adeditated Ph, behing), being it, allow; and RC3 = (adeditated ally, allow), and y, ally, any, ally arrive, have ally, it has, NOC, CN, believes (in 11, 10, 2 or its safe or RC3 or it.)

Accessed to the safe or its safe or its RC3 or it.

Believes (in 11, 10, 2 or its safe or its RC3 or it.)

CAS Registry Number 160108-45-2 CAPLOS

Chemical or Trade Name 6H-Dibenzo(b, 0)pyran-6-one, 10-(dimethylamino)- (CA INDEX NAME)

CAS Registry Number 160108-46-3 CAPLOS

Chemical or Trade Name 6H-Dimenso(b,d)pyran-6-one, 3,8-bis(dimethylamino)- (CA INDEX NAME)

CAS Registry Number 160108-47-4 CAPLUS

Chemical or Trade Name 6H-Olberto(b,d)pyram-5-one, θ =[dimethylamino]=3-(1,1-dimethylethyl)= (CA NDEC NAME)

THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS) OS CITING BEF COUNT: 2

--Logging off of STN---

Executing the logoff script---